AUTO CALL

FOUNDATION FOR AMATEUR RADIO

October 1988

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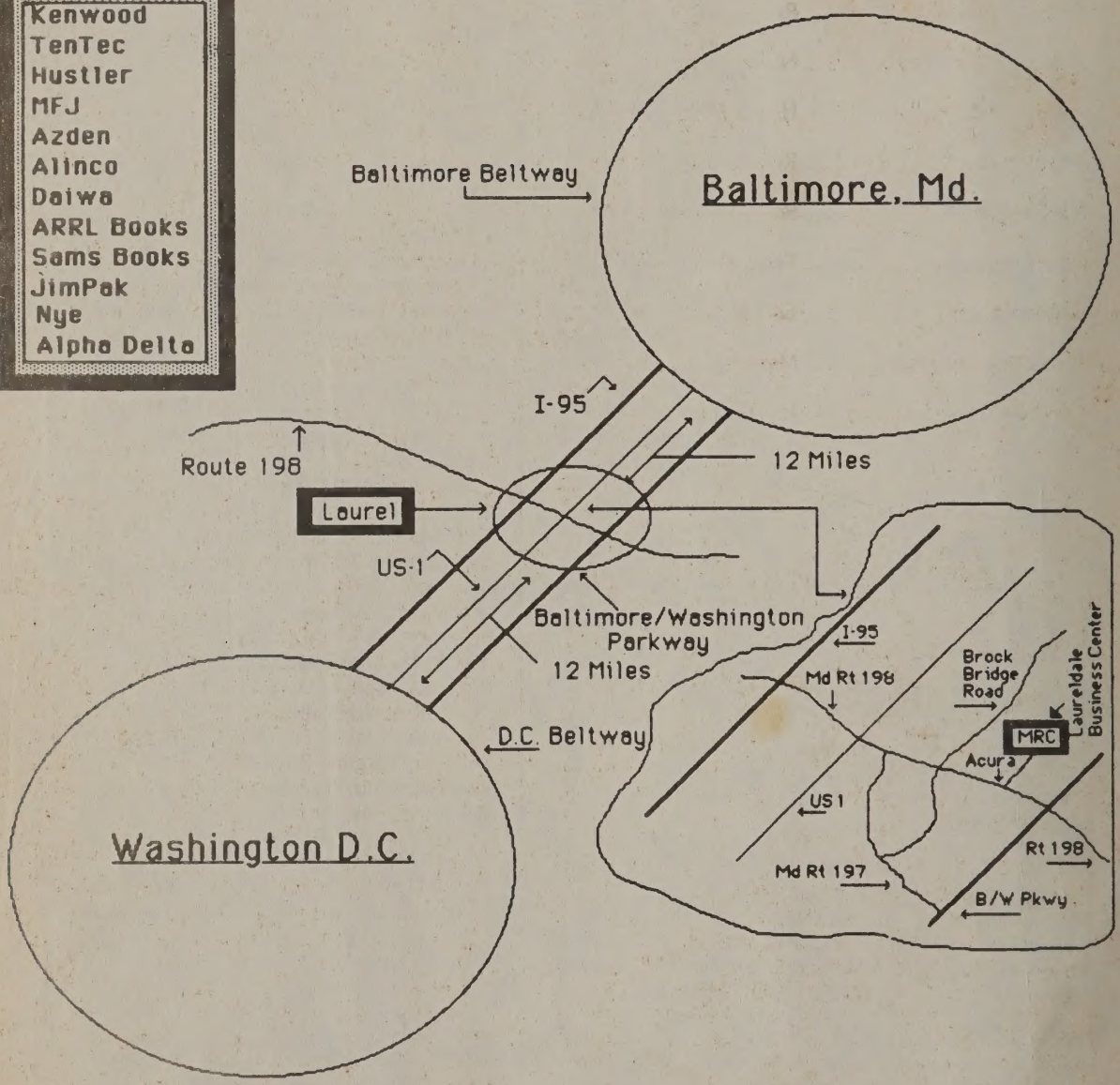

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Washington Radio Club
Woodbridge Wireless, Inc.

EDITOR'S
Editorial

Gaithersburg Hamfest 1988 has just made history. There hasn't been time yet for a full report, but it is certain that attendance records were shattered. There were over 6,000 tickets sold at the gate before noon on Sunday. Parking and tailgating extended clear to the North gate.

Exhibit tables were sold out well in advance of the Hamfest. Buildings were jammed throughout the day and the crowds stayed later than usual. Sales were brisk. The Widow's Assistance table was piled high in the morning and had only a few items left by the end of the day. The Auto-Call did a land-office business. Over 60 new subscribers were signed up and about 50 more renewed their subscriptions.

The Laurel Volunteer Examiner program administered about 50 exams, mostly for up-grade or additional elements leading to upgrade. There was an encouraging number of teenagers in the group and 10 year old Novice Aaron Skolnik - KB4PSA up-graded to General class! One 9-year old took the written test for General but didn't try for the code this time.

There were the usual group meetings and renewal of old acquaintances and the making of new friends. Everything seemed to go smoothly. The weather couldn't have been better. The only complaint we have heard was that the prize drum was too hard to locate. That will be corrected next year.

Congratulations are in order to FAR President Bob Moore, N3CKD and his Hamfest Committee and to all the volunteers who turned out to make Gaithersburg '88 a big success.

This is just a STOP PRESS preview. We will have a complete report of the hamfest in the next issue of AUTO-CALL.

Ethel - K4LMB, Editor

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FCC Highlights

Bill Grenfell, W4GF

"The FCC action to reallocate 220-222 Mhz (to the Land Mobile Services) has been greeted with anger and disbelief in the Amateur Radio Community." reports the ARRL. "...work is being done in the administrative/judicial track to ensure that we take advantage of every available opportunity to seek reconsideration or, if necessary, court reversal of the reallocation. "...Preparation and submission of a Petition for Reconsideration (was to be) the first priority for ARRL as soon as the Report and Order (was) released... "In this case that may not be necessary, because no reallocation will take place until rules are adopted for the assignment of 220-MHz frequencies to land mobile stations -- a separate rulemaking proceeding which is likely to be very time-consuming." (ARRL Letter 08/24/88).

The FCC has advised all VEC's and the ARRL that it will not grant extensions of the of the 365-day term of Certification of Successful Examination (CSCE) certificates. A CSCE is issued by VE teams when examinees pass a portion, but not all of an amateur operator license test necessary for license issuance. "...often re-examination is administered within weeks, or days or even hours of the failed examination" and Section 97.23 allowed up to 365 days to allow persons with unusual circumstances, such as illness, additional time to be reexamined. (ARRL Letter 08/24/88, W5YI Report 08/15/88).

The FCC received information that the Government of the Republic of Korea has authorized Amateur Radio Station 6K24SO to exchange third-party messages for athletes and members of the US Olympic team with amateur stations in the United States during the period 0001 UTC 09/01/88 - 2400 UTC 10/05/88. Accordingly, FCC has no objections. (ARRL Letter, 08/24/88).

"The ARRL Board of Directors voted (last July) to help settle the repeater coordinator dispute by offering its services to arrange for binding arbitration through the American Arbitration Association. "The board affirmed its position that there can only be one recognized frequency coordinator for a given band and geographical area . "Where an existing coordination mechanism is in significant dispute, no coordinator will be listed in the ARRL Repeater Directory until a settlement has been made. "The primary disputes are in Kansas City and Southern California." (W5YI Report, 08/15/88).

"The FCC has prepared a draft copy of a Bulletin entitled 'How to Administer an Examination for a Novice Class Operator License' and has circulated it to all VECs for their comments. "The six page instructions details VE requirements, Novice operator license requirements, Form 610 preparation, examination credit, designing and administering the telegraphy (Element 1A) and written (Element 2) examinations and completion of the Administering VE's Report. "It is permissible to obtain the telegraphy examinations from a supplier, "The FCC has suggested that the stipulated characters 'may' be used." (W5YI Report, 08/15/88.

"Hams in Boulder, Colorado have suffered a severe setback in their attempts to overturn the county's restrictive 35 foot antenna height restriction after a ruling by a federal court judge said that permitting only a small number of hams with antennas over that height complies with the terms of PRB-1." Two requests for 125 foot towers were turned down. The Federal Court Judge "...found in favor of the county, ruling (1) It was reasonable for the county to deny the 125 foot variance requests because of Boulder's unusual panoramic view, unusual

winds, safety factors and property valuation; and (2) because another amateur had already obtained a variance for an antenna higher than 35 feet and this presumably fulfilled any of the city's emergency communications needs." The judge "...took the view that PRB-1 did not apply to individual amateur operators, but rather to the Amateur Radio Service as a whole. "She therefore determined that her decision is not an absolute prohibition on amateur radio in Boulder County, since the county was not precluding ham operations. "Selectively permitting one or two hams to have antennas in excess of the 35 foot restriction, she believes, meets the terms of PRB-1." etc., etc. (Westlink Report, 09/02/88).

A California Amateur has petitioned FCC to redefine frequency coordinators "in terms of recognition by regional owners or trustees of amateur repeaters remote bases and auxiliary links," instead of recognition by all amateur operators in a region or locality whose stations are eligible to engage in repeater or auxiliary operation. The FCC replied: "The petitioner's proposal runs contrary to the fundamental premise upon which the Commission originally adopted the current definition of frequency coordinator in 1986. At that time the Commission stated: "Several coordinators urged us to establish some mechanism to officially recognize local or regional coordinators. "Others were concerned about the potential for abuse of power at the local level. "Another concern was exclusive rights to coordinate within a geographical area. "It is essential that repeater coordinators respond to repeater owners but also to those users of spectrum affected by repeater operation. "Their authority is derived from the voluntary participation of the entire amateur community: their recognition must be derived from the same source. ":We believe the new rules will assure that a coordinator is representative of all local operators." (W5YI Report, 09/01?88).

A brief of FCC's response to a petition by William Cantwell (Call sign and location not given) requesting three changes to the amateur operator license examination system follows: 1. Each examinee should be allowed to choose the format of the telegraphy examination. FCC; In the interest of efficient administration and grading of telegraphy examinations, it is not desirable to complicate further duties of the Administering VEs by requiring them to use the format choice selected by an examinee. 2. Give VEs authority to waive the telegraphy examination for any examinee who intends to operate solely on frequencies at 50 MHz and above in the voice mode. FCC; After careful review in 1983, it was decided to retain the present structure which requires telegraphy skill for every class of amateur operator license. 3. Give Technician operator privileges at 50 MHz and above to a person who holds any type of commercial operator license issued by FCC. FCC; The knowledge needed to pass an examination for a commercial telephone or telegraph license is not the same as that needed to pass the written examinations for a Technician Class operator license. (W5YI Report, 09/01/88).

Permission from FCC to rebroadcast all shuttle communications via amateur radio is sought by Joe Wolos, WA1OCK. "The Hampden County Radio Association (W1NY) rebroadcast shuttle communications during the Tony England W0ORE 1985 shuttle mission with great success. "Since an amateur was on board, the FCC granted a waiver of the broadcast prohibition during the Tony England flight - but no such waiver exists for all shuttle communications." (W5YI Report, 09/01/88).

A petition proposing FCC appropriately amend it's amateur license records upon receiving a notice signed by three Extra Class licensees that an amateur licensee had moved to a specific new address or had died, has been denied. "In denying the petition, FCC stated "The petitioner

has focused upon a problem that is inherent in the systematic keeping of records--inaccuracy or non-currency of the data because of a failure by those responsible to advise the record keeper of changes." FCC went on to say the responsibility must remain in the hands of the individual licensee, or if the licensee is deceased, a relative. "...Thus it is unlikely that the accuracy of the data base would be improved and it could, in fact, be made more inaccurate if the proposed amendments were adopted." (ARRL Letter, 08/24/88; W5YI Report, 09/01/88).

"The ARRL has petitioned for a 90 day extension of time for filing comments on PR Docket 88-139 -- the rulemaking that seeks to streamline and clarify Part 97, the rules governing the Amateur Radio Service. "No word yet (has been) received on whether the extension will be granted." The present comment period expired on August 31. (W5YI Report, 09/01/88).

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END-OF-MONTH LICENSE TOTALS

	JUL 1988	AUG 1988
EXTRA	45,716	45,909
ADVANCED	98,420	98,282
GENERAL	113,405	113,068
TECHNICIAN	98,370	98,944
NOVICE	81,355	80,502
TOTALS	437,266	436,705

THE LATEST CALLS ISSUED FOR THE STATESIDE, ALASKA AND HAWAII CALL AREAS WERE: AS OF 1 AUG 1988

EXTRA	ADVANCED	GENERAL/ TECH.	NOVICE
N1SZ	KC1KP	N1FXC	KA1SLU
WI2S	KE2II	N2ILQ	KB2GGF
NR3H	KD3IR	N3GKJ	KA3TMK
AB4JN	KM4FI	N4TLW	KC4GKX
AA5HI	KG5MA	N5MXU	KB5HAJ
AA6JU	KJ6KK	N6SVA	KB6ZOE
WR7G	KF7MW	N7LMM	KB7FPZ
WI8Z	KE8TL	N8JTR	KB8FIR
WA9J	KE9LX	N9HRH	KB9BIQ
WM0F	KE0XR	N0JPR	KB0DBY
HAWAII	AH6JC	NH6QG	WH6BZR
ALASKA	AL7KF*	NL7OM	WL7BSB

* EXTRA CLASS ALSO ASSIGNED FROM THIS GROUP

Gf

TROUBLE SHOOTER

Virginia State Government Liaison, Frank Brooks, W4UMC, would like to learn of any local issued or political hot-spots concerning Amateur Radio around the state of Virginia. He would like to find out about any problems regarding TVRO satellite antennas, as well as ham antennas. He would like to receive newspaper clippings of articles on hams and zoning issues, etc. Send material to Frank Brooks, W4UMC 1209 Augustine Ave., Box 32416, Fredricksburg, VA 22401, (From The Virginia Ham)

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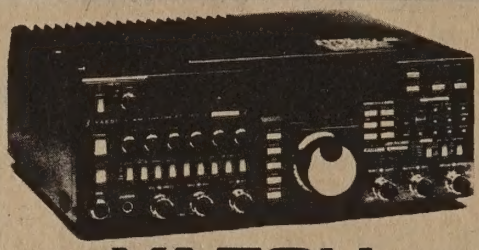

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American Radio Relay League Report

By John Swafford - W4HU

This ARRL Report provides a brief summary of information published in the ARRL LETTER *and other reports. The* LETTER *provides timely news of interest to active radio amateurs. Any League member may subscribe to the* ARRL LETTER.

FAR SCHOLARSHIPS ANNOUNCED. The Foundation For Amateur Radio (FAR) has announced the winners of the 28 scholarships which it administers. The complete list was published in the August Auto-Call. Four of the winners are from the local area:

Columbia Amateur Radio Assn. Scholarship--$750
David S. Katz, N3DKV, Bowie, MD

Baltimore Amateur Radio Club Scholarship--$1000
Paul Schleck, KD3FU, Mt Rainier, MD

Victor C. Clark Memorial Scholarship--$500 (Sponsored by the Vienna Wireless Society)
William T. Free, KC3YO, Fairfax, VA

Frederick Amateur Radio Club Scholarship--$1000
Kurt Rupprecht, N3EOI, Salisbury, MD

These scholarships were open to all Radio Amateurs meeting the qualifications and residence requirements of the various sponsors.

RICHARD MORSE, W1GR, is Silent Key. Richard Morse, W1GR, died Friday, July 1 at the age of 76. Morse was past Assistant Secretary of the Army for Research and Development under both the Eisenhower and Kennedy administrations, as well as founder of the Minute Maid Corporation. Most recently, Morse was Director of the Boston Museum of Science and was partially responsible for several Amateur Radio exhibitions there. Morse was a descendant of Samuel F.B. Morse of telegraphy fame.

CALL FOR VOLUNTEER COUNSELS. Your legal expertise is needed in the Amateur Radio Community to help build and maintain the legal foundations for our service. The League's Volunteer Counsel (VC) Program is designed to help stem the tide of overly restrictive local ordinances pertaining to Amateur Radio. You can help if you have an interest in this exciting area of communications law, are a member of a state bar and if you're a League member. Please contact us and you will be kept informed about areas of law affecting Amateur Radio. As a Volunteer Counsel you are not expected to provide your services free of charge after an initial consultation. For further information, write to the ARRL Volunteer Counsel Program, 225 Main St, Newington, CT 06111.

FIRST ANERCOM MEETING. The ARRL National Emergency Response Committee (ANERCOM) held its first in-person meeting in Washington, DC, last week, Along with a one-day committee meeting, ANERCOM members met with representatives of the American Red Cross National Headquarters, The US Office of Foreign Disaster Assistance and the Federal Emergency Management Agency. Meetings with these representatives were extremely helpful in finding out how amateurs could best assist these national-level disaster-relief groups during communications emergencies.

ANERCOM members in attendance were: Gerald Boyd, KG6LF, Joel Kandel, KI4T, Steven Smith, WA4VWV, James Dockery, WB2HBZ, Geraldine Sweeney, N4GHI, Michael Riley, KX1B, and ARRL Atlantic Division Director Hugh Turnbull, W3ABC, standing in for Pacific Division Director Rod Stafford, KB6ZV.

JOB OPENING AT ARRL HQ. An opening exists in the Technical Department for a Laboratory Technician or Laboratory

Engineer. We are looking for a licensed Amateur who is ambitious, dedicated and creative. Required is a background in electronics, including digital and/or RF experience. BSEE or ASEE with experience required. Starting salary $18,900 to $22,300. For further information please contact Dennis Dzierzawski, K9EIS, or Chuck Hutchinson, K8CH, at HQ.

AMSAT AO-13 OPERATING SCHEDULE CHANGED. AMSAT announced a change to the general operating schedule of OSCAR-13, which shall remain valid until September 21. The schedule will be as follows:

Mode B from MA 3 to MA 100
Mode JL from MA 100 to MA 150
Mode B from MA 150 to MA 240
OFF from MA 240 to MA 3

The schedule may be subject to further changes due to engineering tests. The spacecraft attitude is around 180 degrees Longitude and 0° Latitude, thus the antennas will point to earth at apogee. High-gain antennas will be in use, except when the craft is around perigee (between MA 224 and MA 32).

No RUDAK operation is currently available. Mode-S will be coming shortly.

W1AW OPEN HOUSE. The ARRL HQ building and W1AW, the Hiram Percy Maxim Memorial Station, will be open Saturday, October 1, from 10 AM to 4 PM. Normally, the station and HQ building are closed on weekends. The open house is the same weekend as the ARRL New England Convention in Boxboro, Massachusetts, about a two-hour drive from HQ.

If your club would like to schedule a visit on this date, please notify HQ. If you're visiting New England to experience the brilliant fall foliage, don't hesitate to drop in. Remember to bring a copy of your Amateur license if you'd like to operate W1AW.

JUNE VHF QSO PARTY RESULTS. The results of the June VHF QSO Party, which have been published in the September issue of QST in the past, will appear in December QST. This new schedule is necessitated by earlier QST press deadlines and because the DX Contest and Field Day results are already earmarked for the October and November issues, respectively. High claimed scores will appear in the next issue of the National Contest Journal. The winners of the new plaques will also be announced.

DONALD K. DENEUF, WA1SPM, SK. Donald K. De Neuf died on July 24, 1988 at Southbury, CT at age 81. He was well known for his many articles published in the Radio Club Proceedings, the Sparks Journal of the Society of Wireless Pioneers, The Old Timer's Bulletin of the Antique Wireless Association and other publications. The papers also have been reprinted by overseas publications such as the Royal Naval Amateur Radio Society's News Letter. A leading philatelist, he was the author of the cover story "EE Heros and Events" published in the August 1983 issue of the IEEE Spectrum, which reviewed the issuance of postage stamps throughout the world to honor pioneers of electrotechnology. He was a Life Member of the IEEE, and President of the Society of Wireless Pioneers. He had been awarded the Marconi Memorial Gold Medal of Honor by the Veteran Wireless Operators Association, and the Ralph Batcher Memorial Award by The Radio Club. The government of Italy awarded him its Knight Officer of the Order of Merit in recognition of his work in the Italian Radio Marine Medical Service. A memorial service was held on August 3rd at the Southbury United Church of Christ, Southbury, CT.

AMATEURS ANGRY, DISMAYED AT FCC 220-MHz ACTION. The FCC action to reallocate 220-222 MHz has been greeted with anger and disbelief in the Amateur Radio community. "What can we do to reverse this incredible decision?" is the question most often asked.

In the previous issue of The ARRL Letter and in a special insert to September QST, members were advised of what steps to take to line up Congressional support, Simultaneously, work is being done in the administrative/judicial track to ensure that we take advantage of every available opportunity to seek reconsideration or, if necessary, court reversal of the reallocation.

A number of members have urged that legal action be taken immediately to block the reallocation. While it's possible to ask for immediate review of a Commission action by the U.S. Court of Appeals, in a complex proceeding it is better strategy to do so only after filing a Petition for Reconsideration with the Commission itself. Otherwise, the Court will be basing its review only upon the information previously brought before the Commission and the opportunity to place new, previously unavailable information into the record will be lost. Thus, FCC reconsideration of its action should be sought, irrespective of whether one believes it's possible, with mere facts, to change any minds at FCC on this issue.

To be timely filed, such Petitions for Reconsideration must be received by FCC no later than 30 days following publication of the final action (in this case, the Report and Order). Preparation and submission of a Petition for Reconsideration will be the first priority for ARRL as soon as the Report and Order is released; at press time the Report and Order was not yet available, though it was expected to be released soon.

Petitions for Reconsideration often are accompanied by Petitions for Stay of the Effective Date of the action being reconsidered. In this case that may not be necessary, because no reallocation will take place until rules are adopted for the assignment of 220-MHz frequencies to land mobile stations -- a separate rulemaking proceeding which is likely to be very time-consuming.

The bottom line is: we're a long way from the final round of the 220-MHz fight. Stay tuned -- and stay active!

JOIN ARRL "ALL-RISK" INSURANCE PROGRAM. A Special Enrollment Period is currently in progress until November 1st for the ARRL "All-Risk" Ham Radio Equipment Insurance Program. All members may enroll with guaranteed acceptance.

Insured equipment and accessories are covered for loss due to theft, damage caused by fire, lightning, collision, short circuiting due to fire, flood, tornado or other natural calamity.

Coverage includes equipment at home, in your car and at a Field Day or hamfest site. Furthermore, if new equipment is purchased during the policy year valued up to $1000, that equipment is fully covered at no additional cost until the next renewal of the policy.

The most outstanding feature of the program remains its cost. This fully comprehensive insurance program can be purchased for an entire year for only $1.25 per $100 of replacement cost value, plus a $5 yearly administration fee. A $20 minimum premium is required. Other policies on the market can cost up to $8 per $100 of replacement cost value.

Complete details about the coverage provided by the ARRL "All Risk" Ham Radio Equipment Insurance Program will be sent to League members. Simply complete the short application and mail it with your first annual premium check to the ARRL Insurance Administrator: Albert H. Wohlers & Co., ARRL GROUP INSURANCE PLANS, 1440 N. Northwest Highway, Park Ridge, IL 60068-1400. For more information, call toll-free: 1-800-323-2106. In Illinois. call: 1 (312) 803-3100.

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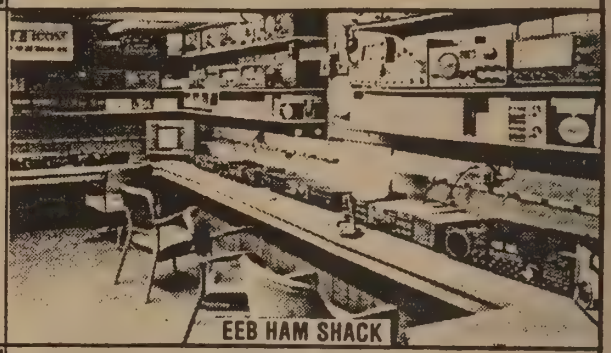
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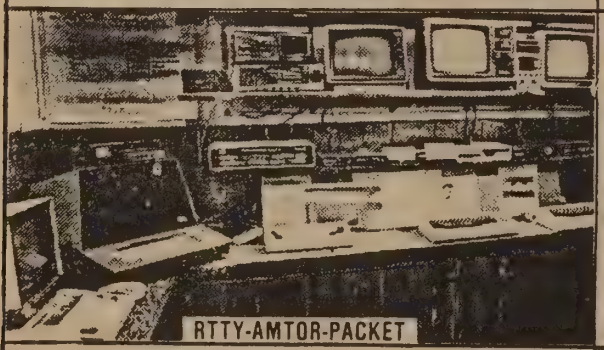
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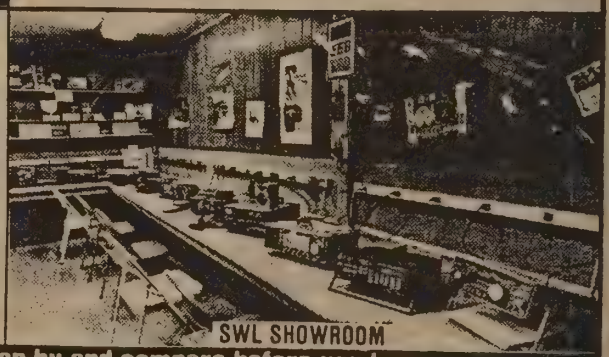
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PUBLIC SERVICE REPORT

FCC Regulations 97.1: "The rules and regulations in this part are designed to provide an amateur radio service having a FUNDAMENTAL PURPOSE . . . SERVICE TO THE PUBLIC as a voluntary noncommercial communications service, particularly with respect to PROVIDING EMERGENCY COMMUNICATIONS."

Jeff Wilkes, W4NFA

--- OIL TANKER FIRE ---

On September 7, Amateur Radio once again played an important role in Beltway disasters when an oil tanker overturned and burned on the ramp at Rt 236 and the Capital Beltway in Annandale, VA. Details of the Amateur participation will be reported next month.

--- PROPANE TANK FIRE EMERGENCY ---

On the morning of August 4th, an underground propane storage tank caught fire after being refilled to capacity. The tank, capable of storing 400 gallons of liquid propane, was used for heating the swimming pool water of a private residence in McLean, Virginia. The fire had burned underground for some period of time before the residents became aware that they were in danger.

Fairfax County fire and rescue personnel including the hazardous materials unit responded to the scene to contain the fire and they recommended that an evacuation of the surrounding homes as soon as possible. The Fairfax chapter house of the American Red Cross was called in to provide for the comfort and safety of the evacuees. At 1500, shortly after receiving the call, Rose LaRocca, Director of Disaster Services called Ivan KA4NVW, Fairfax Co. AEC, at home to request that Amateur Radio communications be arranged between the scene of the incident, the evacuation shelter, and the chapter house.

By about 1530, enough ham operators were contacted to cover the initial communications requirements. Glenn KA4REI responded to the chapter house to operate the Red Cross club station W4PAY, Tom W4LMW responded to the disaster scene, Dennis WA4QMS responded to the evacuation shelter being established in Longfellow School at Westmoreland Road and Kirby Road. Later in the afternoon, Jim KD3FP relieved KA4REI at the chapter house, and Tom WB9RXJ assisted and eventually relieved WA4QMS at the evacuation shelter. Tom WB4J, Jim K4JDM and Dave WD4PWK also volunteered their services, but the incident was resolved before they were needed. Permission was obtained from Allen WD4HLF to use the NVFMA 146.91- repeater to establish communications.

After the evacuation had begun, Fairfax County Fire officials found it necessary to allow the tank to burn itself out under controlled conditions because the ground over top of, and surrounding the tank was too hot for personnel to walk on. The burn off was completed safely just before 1900, and residents were allowed to return to their homes. The informal net closed at 1909 when Rose determined that communications were no longer necessary. (Continued)

No personal injuries were sustained by anyone during the operation. Many thanks to the hams who gave their assistance for this operation, and to WD4HLF and the NVFMA for the use of the Tysons Corner repeater. Also congratulations to the American Red Cross and Fairfax County Fire and Rescue for their fine service.

-reported by Ivan KA4NVW

--- SPECIAL OLYMPICS SUMMER GAMES ---

Seventy-two members of the Richmond area ARES provided communications for the Virginia Special Olympics Summer Games, which were held at the University of Richmond campus on Friday and Saturday, June 3 and 4, 1988. Earl N4EXQ, SEC, directed the communications set-up.

The activities for the Amateurs began at 1400 on Friday and the day concluded at 2200. On Saturday at 0700, several Amateurs arrived early and erected a forty foot tower with a VHF antenna at the Robins Center, and communications began at 0800 and ended at 2200.

This was the third consecutive year the Amateurs have provided communications for the Games. The Committee announced that the ARES group has been selected as official communicators for next year because of the "...continuing outstanding service to the Committee and its participants." On behalf of the ARES participants, Earl accepted a plaque recognizing their service. The award will be placed in the ARES' newly acquired twenty-six foot emergency communications van. Plans are being made for this event next year on Friday and Saturday, June 2 and 3, 1989.

Even though the Amateurs were very tired at the conclusion of this event, all had a good feeling that they had participated in a very worthwhile and heart-warming activity. Amateurs received commendations from the president of the Virginia Special Olympics Committee, the games director, and the chief of the Henrico Police Department.

-from the July edition of The Virginia Ham

--- TRUCK FIRE ---

ARES communications supported the evacuation of stranded motorists and nearby residents when a truck fire closed down both the inner and outer loops of the Washington Beltway at route 193 (just south of the American Legion Bridge) on Friday, 12 August 1988 at 1610. The Beltway remained completely blocked in both directions for four hours and it was 2100 Saturday night before all lanes were reopened.

At 1700 Friday, the Fairfax County ARES was notified by the Red Cross that due to the hazard of the cargo of the burning truck, an oxidizing agent enroute to a water purification plant, evacuation of individuals from their cars on the Beltway and from nearby homes would be required. A Red Cross shelter was to established at Langley High School. Red Cross officials requested ARES communications be established between the shelter and the Red Cross Chapter House in Merrifield, Va. This link was to be used to assist Red Cross managers in both locations to make decisions and coordinate activities, supplies, and Red Cross personnel.

PUBLIC SERVICE REPORT - Continued

After receiving the call at his office in Silver Spring, Joe WB4WZZ (EC for Fairfax Co.) was able to dispatch Glenn KA4REI and Rob KB6KBA to the Chapter House, and Tom N4BYF to the shelter via phone prior to leaving for the disaster site. Joe also contacted Al KN3U (DEC for Maryland & DC). Al contacted Ken N3AQG (EC for the District of Colombia) to advise him that ARES had been activated and to request that Ken monitor the NVFMA 146.91- repeater to respond to calls for information and to begin a list of volunteers.

Brad WA4YVM was contacted by radio and asked to defeat the sub-audible tone control on the 147.045+ machine to enable it to be used for the operation. Dennis WA4QMS and Frank KA8PUU (EC for the Military District of Washington) checked-in and were both asked to provide phone relays which included maintaining contact between the Red Cross Disaster Chairman and WB4WZZ until the Red Cross Chapter House Station W4PAY could be activated. Al WD4HLF was also contacted to obtain permission to use 146.91- for the Disaster net if trouble developed with 147.045+. Ivan KA4NVW (Assistant EC for Fairfax Co.) also came up on frequency and was asked to notify Chuck N4HCP and Craig N4EFJ. The Chapter House was manned at 1745 and the shelter at 1750.

Because Joe was delayed enroute to the shelter by traffic, a decision was made to move WA4QMS from his home in North Arlington to the shelter to assist Tom. Joe proceeded on to the Chapter House. At this point no firm estimates of the possible duration of the incident were available but guesses were that operations could extend to midnight or later. Until further identification could be made of communications requirements,no other operators were to be activated.

Upon arrival at the shelter, N4BYF found that he could not reliably communicate through WA4YVM/R on 147.045+, so the operation was transferred to 146.91-. As the night progressed, it was decided to move the net to the 147.21+ AMRAD repeater to free the popular .91 machine for use by motorists stuck in the 70 mile backup. Permission for use of the AMRAD repeater was quickly received from Sandy WB5MMB.

By about 2030, the evacuees were allowed to return to their vehicles and homes. A total of 160 homes had been evacuated. By 2200, food for the 130 police, fire fighters, Virginia DOT personnel, and others on the scene had been provided by the Red Cross and things had settled down. It was evident that there would be personnel on the scene all night so the Red Cross decided to keep its mass feeding van on the scene. Since the Red Cross van was in the hands of Tom Tanner, a very experienced Red Cross volunteer, the decision was made that he could handle the balance of the night without communications to the Chapter House and W4PAY was secured. To maintain a reliable link to the Chapter Disaster Chairman (who was going home), it was decided to keep a ham with autopatch capability with the mass feeding van. WB4WZZ went to the scene and relieved N4BYF and WA4QMS. Joe stayed with the Red Cross van until released at 0100.

The Fairfax County ARES would like to thank all those who participated. In addition, a special "thank you" to the hams who consciously minimized their use of the various repeaters used--their cooperation is greatly appreciated.

-reported by Joe WB4WZZ

PUBLIC SERVICE REPORT - Continued

--- POWER STATION DRILL ---

Forty-four RACES members provided primary communications under the directions of the Virginia Department of Emergency Services for the North Anna Nuclear Power Station drill on June 28, 1988. RACES was activated at 1318 and shut down at 2020.

RACES operators furnished their own equipment for HF, VHF voice, and VHF packet stations at the Virginia Department of Emergency Services in Richmond, as well as at Emergency Operation Centers in Caroline, Hanover, Louisa, Orange, and Spotsylvania counties. Also, operators set up VHF stations at the nuclear power station and News Media Center in North Anna. In addition, RACES operators set up a VHF station in the Virginia Capital District Red Cross mobile center, located at the Hanover Emergency Assembly Center. Several members operated HF and VHF voice and packet from their home stations.

RACES operated HF on VEN/A (3910 kHz.) with the fine assistance of net control stations and relay stations operating from their homes. VHF voice and packet were on the Richmond Metropolitan Repeater Association wide-area repeater, as well as the Culpeper repeater. RACES was the only communications link between the Virginia Emergency Operations Center and county emergency operations centers during part of the drill when all other communications links were disabled.

A total of 102 messages were originated, sent, relayed, received, and delivered by RACES operators during this drill. RACES personnel have been commended by state and federal authorities for their outstanding performance.

-reprinted from the July edition of The Virginia Ham

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PUBLIC SERVICE CALENDAR

10/6/88: Shrievewood School Bike-a-thon; Joe WB4WZZ 241-0078

10/15/88 - 10/16/88: Simulated Emergency Test (SET)

10/17/88: National Capital ARES (NCARES) Council Meeting; 1915 at D.C. Red Cross Chapter House Board Room 2021 E St. NW

11/6/88: Marine Marathon

11/21/88: NCARES Council Meeting; 1915

11/26/88: Vienna Halloween Parade; Jeff W4NFA 281-4249

11/29/88: Vienna Spook Watch; Jeff W4NFA 281-4249

12/19/88: NCARES Council Meeting; 1915

1/16/89: NCARES Council Meeting; 1915

See pages 47 and 48 for list of ECs and Emergency and Traffic Nets

Material for PUBLIC SERVICE REPORT can be left at W4NFA-1 PBBS on 145.07 or mailed to 9809 Meadow Dale Ct., Vienna, Va. 22180. Deadline for material is the 5th.

--... ...-- -.. . .-- ....- -. ..-. .-

Training Classes

Robert Milligan - KI4MB
6608 N. 18th Street, Arlington, VA 22205
Phone (703) 533-0650 (Home), (703) 534-1319 (Recorder)

Novice Classes, October 3, Camp Springs, MD. Sponsored by Southern Maryland Amateur Radio Club (SMARC). Classes will be held every Monday from 7:00 p.m. to 9:00 p.m. at the Church of the Nativity, Manchester Drive in Camp Springs. Classes are free. A copy of Tune in The World and a tape recorder are desirable. For information and registration contact Bob Curran, KA3GCC (301) 627-3040.

Novice Classes, October 17, Rockville, MD. Sponsored by the Chaverim Radio Club of the Jewish Community Center. Classes will meet from 7:30 p.m. to 9:00 p.m. each Monday through December 19th. For information and registration contact Bob Teitel - W3IDT (301) 654-3484 evenings.

Novice/General/Advanced, September 27, Rockville, MD. Montgomery County Department of Recreation Amateur Radio Classes, sponsored by the Rock Creek Amateur Radio Association. **Radio I:** Beginners learn radio electronic theory needed to pass the Novice exam. Tips on learning the International Morse code, equipment needs of the Novice, etc. Seven two-hour sessions on Tuesdays, 7:30 p.m., beginning September 27. Tilden Intermediate School, Rockville, Maryland. **Radio II:** Covers radio and electronic theory needed to pass General class exam. Seven two-hour sessions on Thursdays, 7:30 p.m., beginning September 29. Parkland Junior High School, Rockville, Maryland. **Radio III:** Study for the Advanced class license. For information, send post card to Amateur Radio Classes, Montgomery County Department of Recreation, P.O. Box 5330, Rockville, MD 20851. Phone (301) 468-4050.

Novice Classes, September 19, Alexandria, VA. Sponsored by the Mt. Vernon Amateur Radio Club and Alexandria Radio Club. Classes will be held in Alexandria, VA every Monday for 12 weeks from 7:30 p.m. to 9:30 p.m. Students must provide course materials costing about $20. For information and registration contact John Forrest-WZ4A (703) 820-3044 or Harry Jones - N4CWP (703) 521-4624.

Novice Classes, September 15, Sterling Park, VA. Sponsored by Sterling Park Amateur Radio Club (SPARC). Classes will be held in the Sterling Community Center ANNEX from 7:30 p.m. to 9:30 p.m. each Thursday evening for 12 weeks. There is no charge for the course but students must provide course materials costing about $20. A cassette tape player is required. For information and registration call Paul Gernhardt, KE6LR at (703) 444-4546.

Novice/Technician/General Classes, September 12, Vienna, VA. Sponsored by Vienna Wireless Society. Classes will be held at the Vienna Town Community Center. Contact Paul Wilkins - AB4CY (703) 560-2779.

Novice Classes, September 10, Laurel, MD. Sponsored by Laurel Amateur Radio Club at Palotti High School at 7th and Montgomery Streets in Laurel. Instructors will be KD3S (code) and Emmett - N3BOR (theory). Classes are scheduled to start on September 10 and will be held every Saturday for 10 weeks from 10:00 a.m. to Noon. For information contact Frank - K3LDE at (301) 498-2213 or Emmett - N3BOR at (301) 674-4080.

For general information on training contacts at local clubs
See next page

TRAINING CLASSES - Continued

GENERAL INFORMATION

Alexandria Radio Club - Contact Harry Jones - N4CWP (703) 521-4624
Anne Arundel - Contact Tony Young - WA3YLO (301) 262-1917
Baltimore ARC - Contact Ralph Huber - KA3HAM (301) 321-5748
Baltimore Radio Amateurs TV Society (BRATS) - Contact Bill Self (301) 669-0149
Chaverim, Inc. - Contact Bob Teitel - W3IDT (301) 654-3484
Frederick ARC - Contact Steve Bauman - W3FOA (301) 662-4552
Goddard ARC - Contact Chris Spinolo - KA3RTC (301) 776-5710
Laurel ARC - Contact Frank Treadwell - K3LDE (301) 498-2213
MADRAS - Contact Renee Culver - KC3NG (301) 949-9220
Montgomery County Department of Recreation (301) 468-4050
Mount Vernon ARC - Contact John Forrest - WZ4A (703) 820-3044
Rock Creek ARA - Contact Walt Ramsey - AK3B (301) 949-3954
Shenandoah Valley ARC - Contact Walt Quitter - NC4B (703) 869-5241
Southern Maryland ARC - Contact Bob Currn - KA3GCC (301) 627-3040
Sterling Park - Contact Art Nevins - WA4NTP (703) 437-9382
Tri County ARC - Contact Al Sines - WA3QGA, P.O. Box 710, College Park 20740
Vienna Wireless - Contact Paul Wilkins - AB4CY (703) 569-2779
Washington Adventists - Contact Henry Miller - W3BWN (301) 474-7376
Woodbridge Wireless - Contact Tim Farrell - AF2T (703) 590-5226

This column is published in each issue of the Auto-Call Magazine.
Local clubs are urged to list their training programs
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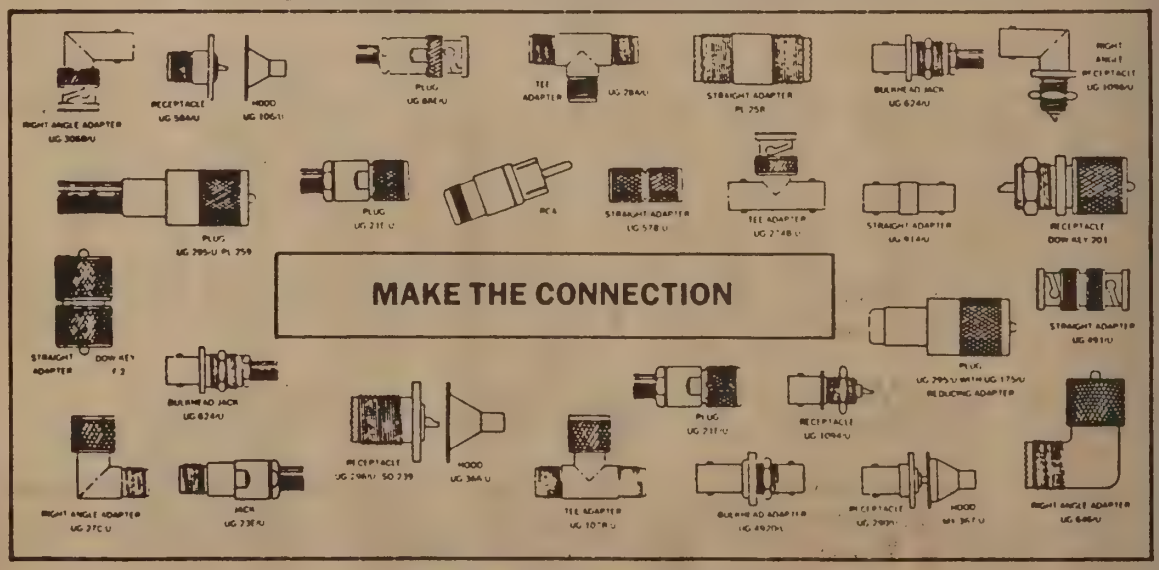

The R.F. Connection
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FOUNDATION FOR AMATEUR RADIO

Volunteer Examiner Cooperative

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SCHEDULE OF EXAMINATIONS
1988

IMPORTANT NOTE: If you presently have a Technician class license which was acquired prior to March 21, 1987, have a copy of this license available when you decide to upgrade to General class.

If you were licensed as Technician prior to March 21, 1987, be prepared to prove this. See page 22 for more details. Volunteer examiners will begin to require proof in the future that you are grandfathered for element 3B (General theory).

Oct. 1 Vienna Wireless Society (Vienna, VA) (ARRL VEC) Walk-in
Contact: Nancy Draheim, NK4U (703) 691-0078

University of Maryland ARC (College Park, MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld, NF3I (301) 963-4008

Oct. 8 Southern Maryland ARC (Andrews AFB) (ARRL VEC) Walk-in
Contact: Al Abercrombie, W2GJS (301) 868-0399

Oct. 20 Baltimore ARC (Towsen, MD) (Laurel VEC) Walk-in
Contact: Ron Derencz (301) 765-2843

Oct. 23 Antietam Radio Assn. (Hagerstown, MD) (ARRL VEC)
Preregistration by October 8th.
Contact: Ken Picone, KC3TT (301) 824-3519

Oct. 29 Mountain ARC (Cumberland, MD) (Mountain VEC) Preregistration desired.
Contact: L.D. Patterson (301) 724-0674

Nov. 5 Shenandoah Valley ARC (Middletown, VA) (ARRL VEC) Limited Walk-in
Contact: Walt Quitter - NC4B (703) 869-5241

University of Maryland ARC (College Park, MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld, NF3I (301) 963-4008

Seaford, Delaware (Laurel VEC) Walk-in
Contact: Richard Osborne - KV3D (302) 629-0607

Nov. 12 Frederick ARC (Frederick, MD) (ARRL VEC) Limited Walk-in
Contact: Rick Ogden, N3RO (301) 845-2670

Massanutten ARA/Valley ARC (Harrisonburg, VA) (ARRL VEC) NO Walk-ins
Pre-registration required by October 7
Contact: Wayne Miller - KB4WOM (703) 867-5428

Nov. 19 Ole Virginia Hams (Manassas, VA) (ARRL VEC) Walk-in
Contact: Harry Vorhauer - W4PVA (703) 368-6050

(Continued)

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(703) 620-6200

Att'n: L. McConnell

Nov. 19 Richmond ARC (Richmond, VA) (ARRL VEC) Walk-in
Contact: Ron Bolton (804) 798-5191

Nov. 20 Baltimore Radio Amateur TV Society (Baltimore, MD) (Laurel VEC)
Contact: Steve Silberman, K3RMX (301) 578-8527

Dec. 3 University of Maryland ARC (College Park, MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld, NF3I (301) 963-4008

Montgomery, Montgomery College, Rock Creek ARC (Germantown, MD) (ARRL VEC) Walk in.
Contact: John Muller, W3QF (301) 564-0178

Dec. 7 Scranton/Pocono ARC (Scranton, PA) (Laurel VEC) Walk-in
Contact: Al Sines, WA3QGA (301) 776-3046

Dec. 10 Peninsula Radio Operations Society (Salisbury, MD) (Laurel VEC)
Pre-registration preferred
Contact: John Luppert, K3NOQ (301) 749-7444

Dec. 22 Baltimore ARC (Towsen, MD) (Laurel VEC) Walk-in
Contact: Ron Derencz (301) 765-2843

Jan. 7 1989 University of Maryland ARC (College Park, MD) (W5YI VEC) Walk-in
NOTE: This date is tentative - Call for details
Contact: Scott Rosenfeld, NF3I (301) 963-4008

Jan. 22 Antietam Radio Assn. (Hagerstown, MD) (ARRL VEC)
Pre-registration required
Contact: Ken Picone, KC3TT (301) 824-3519

Feb. 4 University of Maryland ARC (College Park MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld N3FI (301) 963-4008

Mar. 11 Massanutten ARA/Valley ARC (Harrisonburg,VA) (ARRL VEC) NO Walk-in
Preregistration required by February 3
Contact: Wayne Miller, KB4WOM (703) 867-5428

Apr. 1 University of Maryland ARC (College Park MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld N3FI (301) 963-4008

May 6 University of Maryland ARC (College Park MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld N3FI (301) 963-4008

June 3 University of Maryland ARC (College Park MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld N3FI (301) 963-4008

July 8 University of Maryland ARC (College Park MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld N3FI (301) 963-4008

This column is published in each issue of the Auto-Call magazine.
Local clubs are urged to list their training programs
far enough in advance for effective publicity.

Since 'Novice Enhancement' split the Element 3 tests into 3A and 3B (general theory), volunteer examiners will begin to require proof that you are grandfathered for Element 3B.

If you presently have a Technician class license which was acquired prior to March 21, 1987, have a copy of this license available when you decide to upgrade to General.

If you were licensed as a Technician prior to March 21, 1987, be prepared to prove this by showing:

1. A copy of a Technician class license dated prior to March 21, 1987, the effective date of "Novice Enhancement" which split the tests.

2. A copy of a certificate of successful completion of examination showing upgrade to Technician class before March 21, 1987.

3. A photocopy of the appropriate page of the 1987 callbook showing the applicant as a Technician class.

4. Furnish a Technician license showing a "Group C" callsign issued on or before April 1, 1987. These callsigns must be in series with but prior to: NØHUP, N1ESO, N2HAM, N3FJN, N4PQZ, N4KHW, N4PBJ, N7JBW, N8ICR, N9GJI, KHØAT, KH2CK, KH3AB, NH6IQ, KH7AA, KH8AD, KH9AD, NL7KK, NP2CB and WP4EC.

5. Furnish a letter stating the date of upgrade from the VEC that upgraded the applicant after cut-off for the 1987 callbook. (This must be on the VEC's letterhead and signed by the coordinating officer who forwarded the Form 610 to Gettysburg for issuance of the Technician class license.

6. Any other document which will prove that the applicant passed a 50 question test for Technician prior to March 21, 1987

ALSO NOTE: Certificates of successful completion for theory tests are not always accepted. Check with the contact person for the exam you wish to take.

All examinations require that you submit:
Completed FCC Form 610, Copy of your current Amateur Radio license (bring original license).

For ARRL VEC exams, you must also submit a $4.55 check made out to ARRL/VEC
For Mountain VEC Exams, Novice tests are free. All others are $2.00
For W5YI VEC Exams, the cost is $4.55.
For Laurel VEC exams, no charge.

This schedule of Examinations can be found each month in Auto-Call Magazine which is sponsored by the Foundation for Amateur Radio
Please advise NK4U of your examination schedules.

This column is published in each issue of the Auto-Call magazine.
Local clubs are urged to list their training programs far enough in advance for effective publicity.

Bodkin Island Special Event

During the past several years, the Laurel Amateur Radio Club has operated Special Event stations from a variety of different locations with geographic or historic significance in our area. Past outings have included such activities as the Laurel Main Street Festival, Fort McHenry, and the U.S.S. Constellation. These events have been enjoyed by club members, and they have provided excellent training opportunities.

This year, we decided to be a bit more adventurous and located a small (2 acre) uninhabited island about 7 miles by water southwest of Kent Narrows in eastern Chesapeake Bay. The owner, who is selling the island, was kind enough to give his permission for us to use the island the weekend of 23-24 July.

See the photo of most of the hardy crew below.

The not-yet-rain-soaked Bodkin Island adventurers
Front Row L-R: W3PPK, KQ3S, W3DQI, W3GFS and N3DUE
Back Row L-R: KA3MFM, NA3T, WA3OGZ, KA3HSC, KA3QPU, WA4AVU, N3FNF, K3QDC
Now shown are N3AUQ and Mardee.

That Saturday, a number of us got up well before dawn to check the weather, start towing W3GFS' boat, and moving supplies to Kent Narrows for the 8:00 a.m. start of our Special Event on Bodkin Island. The NOAA weather forecast was not at all promising: fog in the morning followed by 90% chance of heavy rains, high winds and thunderstorms moving across our area later in the day. To avoid making a hasty decision we might regret later, it was decided to meet at Kent Narrows and cancel then, if warranted.

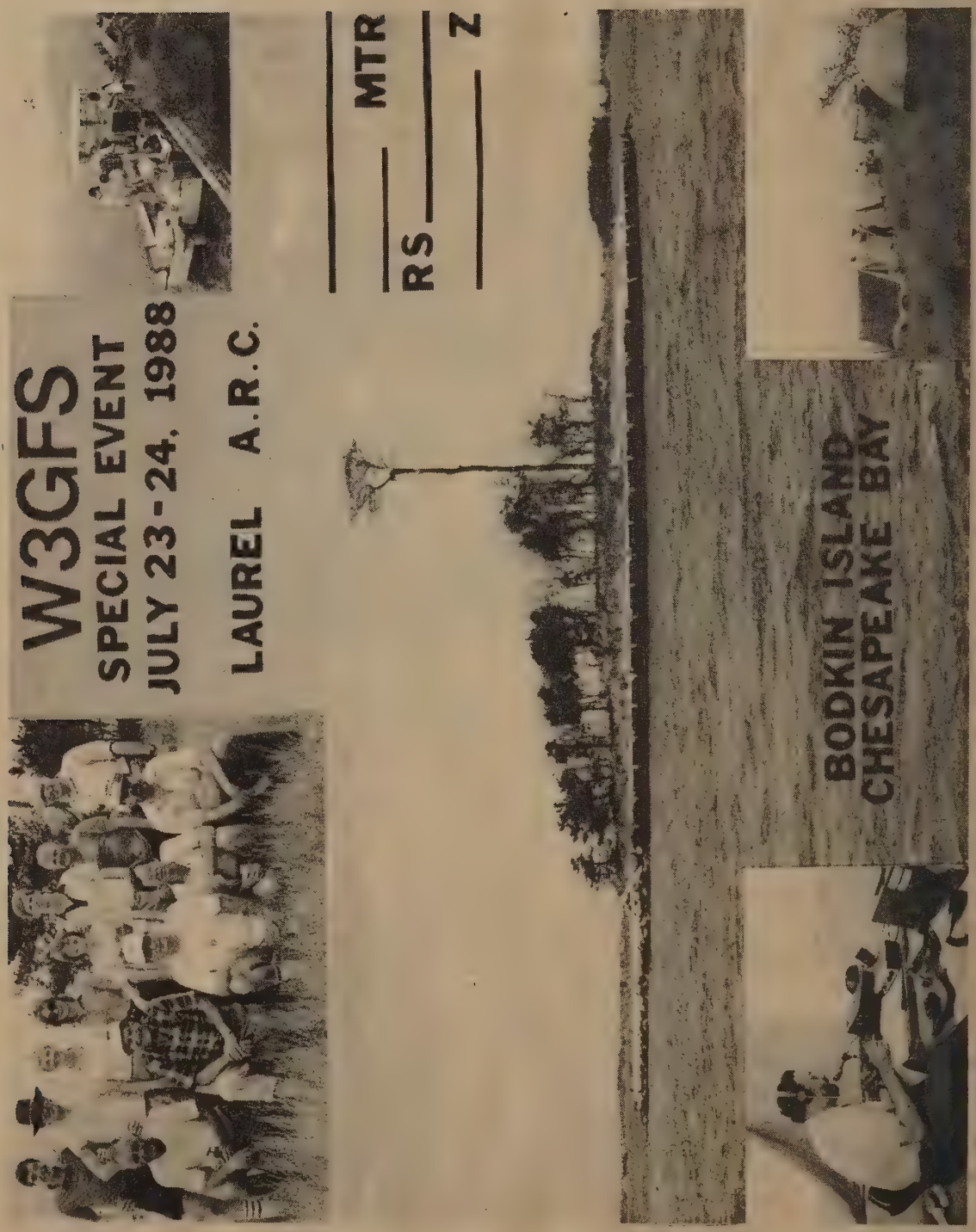
The hardy, early arrivers gathered, talked in by N3FNF and W3DQI in his motor home. After a brief dockside meeting, we decided not to cancel, in hopes that the skies would remain merely overcast and the seas would remain calm long enough for us to transport and set up our equipment. Our second boat, graciously provided by K3QDC's friend W3PPK, arrived early. What a relief to see that it would hold a tremendous amount of cargo and people!

W3GFS left immediately for the island with KA3MFM, NA3T, N3FNF, the large antenna support poles, ropes and a tent. W3PPK followed at a slower pace with N3DUE, KA3HSC, K3QDC and much of the remaining gear. By 9:15 a.m., the first boat had reached scenic Bodkin Island, our home for the next 24 hours.

(Continued)

BODKIN ISLAND SPECIAL EVENT

CERTIFICATE



Set up of a tent was immediately begun as the best possible rain preventer, followed by a 2-meter antenna for communications back to Kent Narrows and to the boats. The second boat and all its gear arrived about 30 minutes later, allowing set-up to begin in earnest.

The remaining people (WA3OGZ, W3DQI, WA4AVU, KA3QPU and KQ3S) and gear were transported to the island by W3PPK and arrived about 11:00 a.m. Set-up proceeded quickly; fortunately, all the necessary supplies appeared to have been brought and could actually be found upon arrival. Three 30' poles were erected as the supports for two G5RV antennas and a 2-meter Ringo. A second Ringo was erected on a shorter pole. Two 8'x10' high wall tents were erected to house the two HF and two VHF operating positions. A tarp and screen tent were erected for added shelter and sleeping accommodations were provided with an assortment of pup tents.

By about noon, everything was in place, and we were enjoying lunch with no rain as yet. The generator actually started, operations began ahead of schedule (2:00 p.m. was the scheduled start time), and the wind and rain followed shortly. First there was an occasional shower, then the rain became continuous and more intense, and finally accompanied by high winds. The weather forecast has been correct!

While all this was going on, the two HF stations started racking up the contacts. A surprising number of hams told us that they had read or heard about our Special Event and were listening for us.

LARCs Completed Special Event set-up

It was the first time many of us had been on the receiving end of a pile-up. Our plan was to use one of the VHF stations on simplex for Special Event contacts and local communications with Kent Narrows and the boats; the other VHF station stayed on the 147.105 repeater for contacts around the Chesapeake and as a link back to Laurel via K3LDE.

Considerable time was spent dealing with the elements (20 knot winds and heavy rain) during the afternoon and evening. Our tents were only about 25 feet from the seawall on the tiny island and received the full force of the storm. Tarps were added and new stakes and ropes were attached to the tents to prevent their collapse.

(Continued)

N3FNF Makes Contacts on one of the four rigs

W3DQI uses 2-Meters for communications with transport boats

It required a continuous effort to keep things from blowing away and to keep the tents' interiors dry. While everyone eventually became drenched, we shared tent work in the rain and hamming inside. Despite our best efforts, some water did get in the operating tents; this required raising all AC lines and power supplies off the floor and a conscientious mopping-up effort to keep the water and AC well separated. Through it all, the stations remained on the air.

Just before supper, W3GFS was scheduled to take KQ3S, N3FNF and K3QDC back to the Narrows while returning with N3AUQ and Mardee. They departed on schedule, despite the bad weather, and found themselves navigating using a compass, depth gauge, and a few Hail Mary's, since land was only visible intermittently. The drop was made (KD3S and K3QDC seemed especially glad to get off the boat), return passengers were boarded and the trip was made during a brief let-up in the rain. Since the weather continued to deteriorate, W3GFS decided not to push his luck and cancelled the run scheduled for after dinner, thus stranding WA4AVU and KA3QPU on Bodkin Island for the night without sleeping or rain gear. They made do without complaint, sharing dry clothes and tent space with others.

Dinner became the next experience. What WA3OGZ and KA3HSC had planned as a delightful picnic dinner under a blue sky became a wet but cheery group huddled around the coleman stove in the dining tent. The meal was enjoyed in shifts, since not everyone could fit in the tent at one time, and the rig HAD to stay on the air!

Evening wore on, contacts continued to be made and everyone had ample opportunity to demonstrate or improve his operating skills. About midnight, the rain slacked up and finally quit. The wind remained, helping to dry our soggy things. By 1:00 a.m., the night had grown pleasant: the moon was peeking through the clouds, lights could be seen on shore around us, and the sight was both beautiful and welcome. The worst was over!

From this point on, our weekend proceeded as we had hoped it might. Equipment performed flawlessly, and all stations were manned in shifts except for a slight lull around 4:00 a.m. when the bands emptied. The sun came up, clouds went away, and yesterday's downpour was forgotten. Breakfast was served to a hungry group of soggy, tired, and smiling hams who had made it through the night. WA4AVU, KA3QPU, NA3T and Mardee then left and N3FNF returned via another shuttle run.

By the time we closed down operations at 11:30 a.m., there had been over 400 contacts with 33 states, D.C., Puerto Rico, Canada and Great Britain. Tear-down was much less fun than set-up, but quicker. One trip each from W3GFS' and W3PPK's boats was sufficient to return everyone and all the gear. (Continued)

By 2:30, everyone had loaded the gear into vehicles at Kent Narrows and was on the way home.

Due to the location of the island and the difficulty and time required to obtain supplies which had not been brought, the organizers of the event had to plan every detail, including food, shelter, equipment, transportation, and the scheduling of people. Contingency plans were made to minimize the impact of bad weather or key equipment failure.

HF Operating Tents
And a few LARC members on a break

We demonstrated the ability to plan, establish, and maintain communications for an extended period of time under less than ideal circumstances.

Should we ever be involved in a communications emergency, the lessons learned on Bodkin Island should prove valuable.

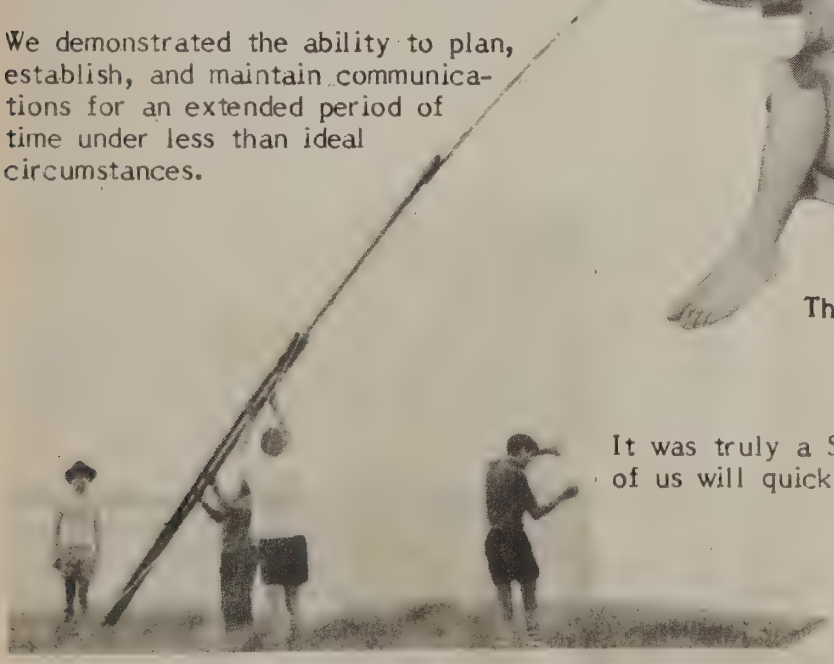
A few thank yous should be mentioned: N3FNF, W3DQI, and W3GFS for organizing the event; WA3OGZ for planning, purchasing and preparing all the food; W3PPK for his time and his boat; K3QDC, KA3QPU and W3GFS for the photos of the event; the trusting LARC members who loaned their valuable equipment; and to all those who participated for their good spirits, a sense of adventure, a willingness to pitch in with hard work, and the ability to deal with whatever came along.

In addition to being an interesting and exciting weekend for our club members, it provided everyone a tremendous learning and training opportunity. The newer hams helped set up stations, logged, operated, and gained confidence in their skills.

The End of a Perfect Day
NA3T Resting Up

It was truly a Special Event which none of us will quickly forget.

John, W3GFS



Raising a 2-meter Ringo and G5RV Antenna Support Pole
W3DQI, N3FNF, W3GFS and KA3MFM

Congratulations to:

Jon Binstock - NK3D on receiving
The Westlink Report
Young Ham of the Year Award.

Jon was honored with an expense-paid trip to the ARRL Southwest Division Convention at Disneyland, CA., in recognition of his achievements and his efforts to use Amateur Radio for the betterment of his community and promoting world peace.

See page xx for the complete story of this remarkable teenager.

Carl Gray, W4ACM on being awarded the VWOA DeForest Audion Gold Medal Award. The award recognizes the achievements of men who have distinguished themselves in work of wide scope within the electronic field.

During WW-II, Carl served nearly 4 years on active duty with the Army Signal Corps and was responsible for the installation of over 250 Army and Air Corps radio facilities. After the war he transferred to the Army Corps of Engineers where he initiated a Corps-wide modernization program of its emergency and operational radio capabilities and received the Pace Award from the Secretary of the Army for the most significant contribution of an individual to the Army program. He represented the Army on the Executive Committee of the Radio Technical Committee for Marine Services (RTCM) for ten years and served on many of its Special Committees. In 1973, he retired as Chief of the Communication-Electronic Section, U.S. Army Corps of Engineer, Chief Engineers Office. He then continued to be active as a consultant in the field of maritime electronics for another ten years and represented the inland waterways on the RTCM Board of Directors.

Carl and his wife, Zianna, were honored guests of the Veterans Wireless Operators Association at its Sixty-Third Annual Banquet at Governors Island, NY. The award, which he received there, is named for VWOA Past Honorary President, Dr. Lee DeForest.

While in high school, Carl became a licensed radio Amateur with the call sign 9EUH and he has continued to be active for over 60 years. He is a member of the QCWA and its local Vic Clark Chapter. In his retirement, he has also become a personal computers enthusiast.

Boy Scouts on their Annual Jamboree on the Air (JOTA), Scouts will be out in force the third weekend in October to celebrate this annual Amateur Radio scouting event. Thousands of stations around the globe participate and it is not uncommon to work Scouting DXCC if propagation is right. Last year more than 12,000 participation certificates and 4,500 patches were earned during the Jamboree. Look for the Scouts on the air October 15-16. You will find them on 3590, 7030, 14070, 21140, 28190 cw & 3940, 7290, 14290, 21360, 28350 voice
Packet, RTTY, SSTV, ATV operations are also planned.

DXPO 88

ADVANCED PROGRAM INFORMATION

Saturday, October 8, 1988

0900 **Special Novice DX Program;** Seperate registration required.

Novice Enhancement and their Future in Amateur Radio;
Rosalie White, WA1STO (ARRL Headquarters)

Novice DXCC; Barefoot, Dipoles and Band Smartz
Dave Hammond, WC4B

10 Meter DXCC with 100 Watts and a Vertical;
Chod Harris, Publisher, "The DX Bulletin"

How to Use the ARRL Outgoing & Incoming QSL Bureaus;
Nancy Draheim, NK4U

Additional Hints & Kinks Wrap-up;
Stuart Meyer, W2GHK/4ever

1200 Novice Program concludes

1300 **Official Kick-off of DXPO 88** with introductions and information about this great event; K6IR, W2GHK & W4WG

THE PROGRAM PILEUP;

Multi Operator Station Design; Frank Donovan, W3LPL

ARRL Forum; John Kanode, N4MM, Vice Director, Roanoke Division
Rosalie White, WA1STO, ARRL Headquarters

DXCC Report; Don Search, W3AZD, ARRL HQ DX Desk

Publishing a DX Bulletin; Chod Harris, VP2ML

Something New In High Power Amplifiers;
A Super Antenna Rotator; Bob Sullivan, WØYVA

9Q5NW & other activity from Africa, plus
Logging by Computer; Tom Gregory, N4NW

1800 **Gala Attitude Adjustment Party**

1900 **Super DXPO Banquet** Anecdotes; John Johnston, W3BE, FCC
Speaker; "The" Father Moran, 9N1MN

Sunday, October 9, 1988

0900 DXPO 88 Rolls On, Phase II

RFI Problems & Cures, Rhana; WB4NFO

The Washington DC Area Packet DX network;

DXing around the world; Karl Renz; K4YT/XXXXXXXXXX

Tower and Antenna Erections;
Lenny Chertok, W3GRF and Steve Jarrett, K4FJ

Videotape Presentations;
Pilup Busters)
XU1SS Dxpedition) Courtesy of the Lynx Group
S ØRASD Operations)

1230 DXPO 88 Draws to a close. **HAVE A SAFE TRIP HOME.**

Note; Don Search, W3AZD and John Kanode, N4MM will check QSLs for;
DXCC, WAZ, CQ 2 Way Awards, WAS, 5BWAS, VUCC and WE2X.

VIRGINIA IS FOR DX LOVERS

NATIONAL CAPITOL DX ASSOCIATION

DXPO 88 is an ARRL approved event.

DXPO 88

SPONSORED BY THE NATIONAL CAPITOL DX ASSOCIATION

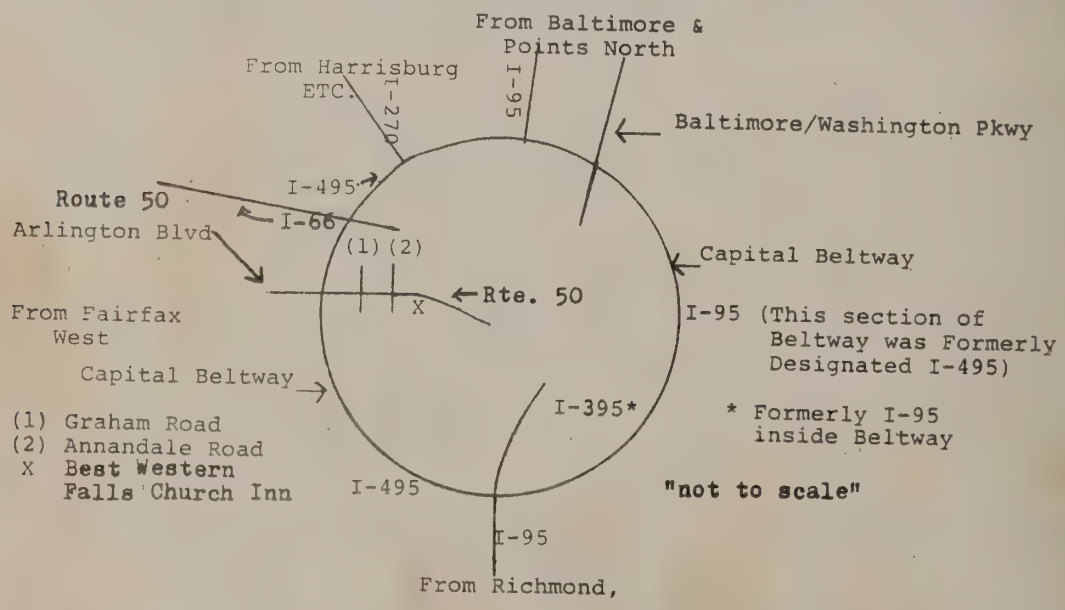
Again, the National Capitol DX Association has gone all out for YOU in producing DXPO 88 One of the World's Finest and most complete DX Conferences.

DXPO 88, Sponsored by the National Capitol DX Association will be held at the Best Western Falls Church INN at Falls Church, Virginia. Special weekend rates are $45.00 per night, single occupancy or $50.00 per night double occupancy. (Two people may share a room with double beds and split the billing). For room reservation call (703) 532-9000 and mention DXPO 88. Please do not send NCDXA any money for rooms. Make your arrangements directly with the Inn.

The Falls Church Inn is conveniently located 2½ miles inside I-495, the Capitol Beltway. Please contact them at 6633 Arlington Boulevard (Route 50) Falls Church, Virginia 22042.

For additional information contact; Stuart Meyer, W2GHK
Home and Office phone: (703) 281-3806
2417 Newton Street
Vienna, VA. 22180

This year we have added a special Novice DX program for Saturday (October 8th) from 0900 to 1200 noon.



TO: Stuart Meyer, W2GHK
2417 Newton Street, Vienna, VA. 22180

DXPO ADVANCE REGISTRATION

My check in the sum of $_____(Made payable to NCDXA) is enclosed for the following;

_____	General Registration in advance $15.00 ($17.50 at the door)	= _____
_____	Saturday Evening Banquet @ $22.50 ($25.00 at the door - if available)	= _____
_____	Combination - 1 ea. of the above @ $35.00 ($37.50 at the door - if available)	= _____
_____	Spouse's Banquet (with Registration) $20.00 ($22.50 at door - if available)	= _____
_____	Novice Program $5.00 ($6.00 at door)	= _____
_____	Novice Program with Registration $2.50 ($3.00 at door)	= _____
	TOTAL	= _____

Silent Keys

Maxine Harris, WA4UWK, became a Silent Key on September 5 from a heart attack. Maxine is survived by her husband, Robert, and two children. She was particularly active on the North Carolina Single Sideband net. She was an active member of the Washington Area Young Ladies Amateur Radio Club (WAYLARCs) for the past 20 years and was also a member of the Young Ladies Radio League (YLRL). Her cheerful voice will be missed very much.

(Submitted by Irene Akers, W3RXJ)

George W. ("Wally") Schreech, Jr., W4DFA (ex W3WXA, ex K5SYX) died of cancer on September 2 in Mary Washington Hospital, Fredericksburg, Virginia. "Wally," or "Walt," to his many ham friends, was 67 years old. He was born in the District of Columbia and worked for Western Electric Co., Collins Radio Co., and Naval Research Laboratory before entering the Navy during WW-II. After the war, he returned to work at Naval Research Lab, where he met his wife, Mary Teresa "Terry" Hayden. He transferred to "Main Navy" in downtown Washington in 1950 and to the Navy's Talos missile project in White Sands, New Mexico in 1958. In 1961, when the Navy started up the Space Surveillance System command in Dahlgren, Virginia, he transferred there as its Chief Electronics Engineer. He remained there until his retirement in 1974. He continued residing in Dahlgren and was very active in Amateur Radio until just shortly before his death. He was an active member of several local Amateur groups over the years, including the old Washington Mobile Radio Club, the Southern Maryland Amateur Radio Club, the Fredericksburg Radio Club and Army MARS. He is survived by his wife of 45 years, son Chris, Daughters Patricia and Joan.

"Wally" will be well remembered by his host of ham acquaintances as the friendly, honorable, magnanimous and patient gentleman that he was. He will be grievously missed by so many of us who knew him well.

(Submitted by Forrest Akers, W3PT)

Geraldine N. Thomas, WB3KKL, after a long illness, became a Silent Key on August 12 at the Greater Laurel/Beltsville Hospital. She worked at the Naval Research Laboratory (NRL) for 38 years and retired in 1983. "Gerri" was a trainee in one of the Novice classes conducted by the NRL Amateur Radio Club and obtained her license in 1977. Over the past few years she devoted many hours of sighted reading assistance to blind hams preparing for their examinations for licenses and/or upgrades. She was active with a number of local Amateur Radio club and wrote club news for The Capital City Amateur Radio Society and the NRL Amateur Radio Club. She was active in the Washington Area YL ARC (WAYLARLC)club and helped at the FAR Hamfests until health problems prevented as much activity as before. She was also an active member of the Amateur Electronic Communications Association, Inc.

(Submitted by Elmer Jones, K4EUX and Irene Akers, W3RXJ

Morris ("Tilly" Tillotson - W4OKN has been reported as a Silent Key. "Tilly" was very active in the Virginia traffic nets for nearly 40 years. He was on the Virginia Phone Net and an early member of the VSN and Virginia SSB Net. He was VSSBN Net Manager from 1965-1970. During most of that time he was also Virginia phone activities manager. He had not been active in recent years but still kept his hand in by occasionally sending messages to one of his children at VPI.

(From Phil Sager, WB4FDT in "Virginia Ham"

Coming Events

QCWA NATIONAL CONVENTION
SEPTEMBER 23-28
McLean Hilton Hotel, McLean, Virginia
Hosted by Vic Clark Chapter #91 QCWA

This is a rare opportunity to attend a National Convention of the QCWA right in your own "back yard." All National officers and Board of Directors will be present and many of the most active QCWA members. Come meet old friends and make new ones.

There will be an Open Board Session Saturday morning where QCWA members will have an opportunity to make their input directly to the Board and then a final Report from the Board Saturday afternoon detailing what has been accomplished and what plans are being considered for the future. There will be technical programs Saturday afternoon and several Forums on Friday afternoon - including a report from the Foundation For Amateur Radio (FAR), an ARRL Forum and an FCC Forum.

If you are a QCWA member - or a prospective member - this is a meeting you won't want to miss. For more details, see the September issue of Auto-Call and the QCWA Journal. During the convention, phone the hotel at (703) 761-5160.

DXPO '88
October 8-9

Best Western Inn, Falls Church, VA. U.S. Route 50 near 7 Corners.
Total immersion in DX. 1:00 p.m. Saturday to 1:00 p.m. Sunday.

Special section Saturday morning catering to the DXing Novice world.

See flyer on page 29

Information: DXPO Chairman Stu Meyer, W2GHK, 2417 Newton St., Vienna, VA 22180.

THE NEXT BIG HAMFEST
WINTERFEST '89
Sponsored by Vienna Wireless Society
February 28 1989

For 1989, the first Amateur Radio "Flea Market" of the metropolitan area will be held at the Vienna Community Center, 120 Cherry Street, Vienna, Virginia on Sunday February 28. For table reservations and more information, write now to:
P.O. Box 148
Vienna, VA 22180

(Please advise AUTO-CALL of all major activities as soon as they are scheduled to so they can be listed in the Coming Events column. We like to give timely information on these activities and it good publicity for your event.)

Computer Revolution

Remember just a few years ago, when computers first came out, and it was estimated that the world would not find use for more than four of these complicated, sophisticated equipments? Well, today most 6 year olds have their own computer. And no longer is a student restricted to the pace of the dumbest person in his class. Through the magic of computers, he can go at his own pace on just about any subject he is interested in. The challenges of his abilities and his imagination are boundless. Today many college level courses **require** that the student have his own high capability computer - or at least easy access to one.

The impact on medical technology is also phenomenal. Early uses were in cardiac pacemakers, which make use of a miniature inboard computer, and in the Jarvik-7 artificial heart. "The Jarvik-7 heart is probably the most romantic use for a personal computer in the world," says David DeJean, Senior Editor of PC Computing magazine. But these were just the first giant steps in medicine and PCs. In the September issue of PC Computing, DeJean reports on some of the incredible things that are already being done and the prospects for the future. Studies are now underway for such things as a permanent implant heart and artificial arms and hands.

The idea of a very small intraventricular artificial heart that would be inserted into the natural heart is being studied by Dr. Robert Jarvik. The favored design now is a rotary blood pump that would be about the size of an egg. The pump would replace the natural valve of the heart and the computer would adjust the output of the heart to match the patient's demands. If you needed total heart support, you'd get one of these devices in the cavity of the left ventricle and another one in the cavity of the right ventricle. Jarvik is using a 80386-based computer system to study the design problems.

The Utah Center for Engineering Design (CED) is working on the "Utah Artificial Arm and the Utah/MIT Dexterous Hand. The Artificial Arm is an electrically powered device for amputees, controlled by the signals generated by muscles in the wearer/s shoulder and remnant limb. It is already on the market. The Dexterous Hand has proven more challenging but nine artificial hands have been developed for universities and research institutions. The device has three fully articulated fingers and a thumb and is controlled by several Motorola 68020 processors. Dr. Stephen Jacobsen, at CED, does acknowledge the design limitations. "The idea of a fully functional artificial hand that attaches to an amputee's wrist will remain in the realm of science fiction for the foreseeable future, he says. "If you look at a real arm and just look at the parts count, it is enormous." "The way we're going to get ...better prosthetic limbs and hearts is by understanding biology and building them that way. Biology can make things like nothing else on earth." Studies continue to try to mimic nature!

The computer's impact in your own doctors's office may soon be felt by computer assistance in helping him reach his decisions and diagnosis. Homer Warner at the University of Utah in Salt Lake City has worked over the last two decades pushing both medical and computer technology to new frontiers as he and his fellows searched for more sophisticated tools for computers in medicine: data-gathering instruments, very large databases, artificial intelligence techniques, main-frame computers and, recently, the use of personal computers.

The first result was "Help," a hospital information system that collects and categorizes patient data, then applies some artificial-intelligence principles to suggest interpretations of the data to the attending physicians and to monitor potentially life-threatening conditions.

(Continued on page 34)

What's in a Name

There is frequent discussion about finding a better name for Radio Amateurs. The words really don't project the proper image of a pretty professional group. But the name has become a respected title over the past 45 or 50 years and no one has come up yet with a better idea. I think our late Vic Clark, W4KFC had the answer, though. Just capitalize those words and it makes all the difference.

You would never write about the "boy scouts." It is the "Boy Scouts" who are holding their Jamboree this month, and it should be the "Radio Amateurs" that are called on whenever there is a communications emergency. It surprises me how many people will write about the "Hams" in one sentence and then talk about "radio amateurs" in the next. There are amateur artists, and amateur golfers and amateur swimmers; all people who are just learning their skills. Heaven knows all of us "Amateurs" are still learning, too, and there is something new to learn every day, but we sure aren't "amateurs."

At the time of his death Vic Clark was trying hard to promote the use of "Amateur Radio" and "Radio Amateurs" in referring to our fraternity. Let's carry on his crusade. From now on, whenever we write about our service, capitalize the words to express our pride and to distinguish "Amateurs" from "amateurs."

Ethel Smith, K4LMB

COMPUTER REVOLUTION - Continued

Warner defines his goals for 'medical informatics' as "the rearranging of medical knowledge in a form that will make it more useful for decision making." The computer can use a rule-based system that never overlooks a relationship among symptoms, no matter how obscure. And it can see not just the number of patients one doctor can see in a lifetime but the volumes of patients that are included in its data base. "We'll be able to provide services to some doctor practicing all by himself in some remote area, he says. "That's where these expert systems may find their most dramatic application."

Dr. Warner does not anticipate doctor resistance to the 'medical informatics.' When you think of the computer's potential as a quality-control device, it will be a tremendous tool for protection against malpractice! "My gut feeling is that very soon now it's going to reach a point where people are going to demand it."

"That's the way it is in medicine. You go for a long time with a lot of skeptics about a given technology. Then, almost overnight, it becomes malpractice if you're not doing it."

Certainly nobody is ready to turn the world over to computers, yet, but personal computers have had a great influence on popular attitudes about what's "do-able." "There hasn't been time for but a small fraction of the applications to be worked through, so there's this backlog of do-able things with the existing micro-computer technology, and it's getting done at a faster and faster pace by all kinds of different groups."

Dr. Wagner says it more directly: "Every day, something new comes out that gets you convinced there's no end to what we're going to do with these little machines."

(Information from PC Computing, 9/88)
(Prepared by K4LMB)

WESTLINK REPORT

Young Ham of the Year Award

to

JON BINSTOCK - NK3D

Eighteen year old Jonathan (Jon) Binstock - NK3D of Potomac, Maryland, was chosen to receive the honor of **Westlink Report Young Ham of the Year.** He received the award on September 3rd at the ARRL Southwest Division Convention at Disneyland in Anaheim, California.

Jon rose from the entry level Novice Class license to Extra Class in less than four months (at the age of 16) and immediately dedicated himself to public service. He was honored for his remarkable accomplishment and for then using his Amateur Radio for the betterment of his community and the promotion of world peace.

A number of examples of his efforts were cited: During a snowstorm last winter, when schools were closed, Jon used his radio gear in a 4-wheel drive vehicle to coordinate and help transport stranded nurses to hospitals and to get kidney patients to dialysis centers. When Soviet leader Mikail Gorbachev came to the U.S. for his summit meeting with President Reagan and to sign the Intermediate Range Missile Treaty, young Jonathan helped to coordinate and furnish communications for a large rally in D.C. where more than 250,000 people took part. His activities there helped to avert several potentially serious incidents, including one in which Jon personally arranged for a mentally deranged individual to be given transportation home.

His public service activities have managed to get him elected as one of the youngest Public Service Chairmen of the 200-member Montgomery County Amateur Radio Club. There, he is in charge of coordinating the all-volunteer Amateur Radio communications assistance for over twenty Washington, D.C. area events every year, including parades, community events, marathons, etc.

At Wooton High School he was President of the school radio club and also became the chief disk jockey for school radio station. He also served with the school's Television Production Club, Lighting Crew and Visual Air Group and participated on the Track Team. In addition to all this, he made the school Honor Roll.

As winner of this year's **Young Ham of the Year Award,** Jonathan received an expense-paid trip to the ARRL Southwest Division Convention (HamCon '88). At the Grand Banquet Saturday night, he received a plaque detailing his achievements and was presented with a piece of top quality YAESU equipment and several other gifts. The cost of the trip was underwritten by the YAESU USA Corporation of Cerritos, CA. The presentation was made by YAESU USA Vice President for Marketing, C.H. "Chip" Margelli - K7JA, Westlink Report Publisher Burt Hicks - WB6MQV, and Editor Bill Pasternak - WA6ITF. Jon's high school, Wooton High School of Potomac, Maryland, will also receive a complete set of Amateur Radio training materials from Gordon West's Radio School of Costa Mesa, CA.

Westlink Report established the Young Ham of the Year Award in order to highlight the accomplishments of the nation's young Amateurs, and to encourage the entry of more young people into the exciting and rewarding service. The Westlink Report is Amateur Radio's premiere bi-weekly news and information letter and is the oldest publication of its kind in the United States.

Our congratulations to Jon.

Montgomery Amateur Radio Club

Meetings: 1st and 3rd Wednesday of each month, 7:30 p.m.
Executive Office Building, 101 Monroe Street, Rockville, MD.
Repeater: 146.04/64
Information: Bob Lyons - NK3I. Home Phone: (301) 253-5439 Work: 279-7737
Mailing Address: P.O. Box 611, Gaithersburg, MD 20877

This year has been a busy one for MARC. Many thanks to the following speakers who volunteered to give presentations at our club meetings:

- o Stan Staten, W3INK on RBBS Boards
- o Mark Shultise, WA3ZLB on Opus/Fido boards
- o John Shew, N4QQ on Packet radio
- o Herb Ley, N3CDR on the ARRL ATC program
- o Dennis Rice, KA3JVA on plesiochronous transmission
- o Al Taylor, KN3U on making printed circuit boards
- o Gerald Berman on the Voice of America high power transmitters
- o Maynard Hill, W3FQF on pilotless aircraft
- o Jeff Goldman, K3DUA, a clinic on test equipment
- o John Swafford, W4HU on NN3SI, the Smithsonian Institution station
- o Pat Gormley, KK3F on traffic handling.

At future meetings we have scheduled to speak:

Oct 5 Carl Anderson, W3XE on contest stations
Oct 19 ARRL Atlantic Division Director Hugh Turnbull, W3ABC on an ARRL Washington update.

On Field Day we operated 3A from Little Bennett State Park and accumulated about 3,000 points with about 40 people stopping by to operate. In the spirit of experimentation, a 10 meter dipole was constructed from non-standard, segmented aluminum tubing and it resulted in contacts with 10 to 15 states before collapsing. Larry - N3BE captured some of the fun with his video camera. Hopefully, he will have enough good footage for a tape on Field Day, MARC style. A good time was had by all who participated. Many thanks to Tom - WB3DIO.

Did you finally get that TNC but aren't sure what's out there or how to take full advantage of the equipment? Check out the Packet User Group on the 3 WINKS bulletin board. Dennis - KA3JVA and Howard - WB3KHQ conceived PUG \as a convenient way for packet neophytes to exchange hints, tips, questions and information to get people started with packet.

On the public service front, MARC again participated in the Redland Horse Trials with an assist from the Washington Adventist ARA, as well as the Fritzbe's race. Later in the spring, we helped out with the Bethesda parade, Special Olympics and the American Diabetes bike-athon. In July we had 22 operators assist at the Rockville Rotary 8K twilight run.

As this column was being written, plans were underway for MARC to operate a special events station at the City of Gaithersburg's Olde Towne Day on September 18. We hope to have an operating HF station, an operating packet station, and a RACES/ARES information booth. City officials seem excited by the concept. With an expected crowd of 40,000 people, it appears to be a good opportunity to get some publicity for Amateur Radio. Hope you were there!

Bob - NK3I

National Capital DX Assn.

Meetings: Irregular. Next meeting will be held December 10
Contact the Secretary for information.
On-the-Air: Every Sunday at 8:30 p.m. on 147.420. All are welcome.

Information: Craig Stevens - KZ3H, 4409 Clifton Spring Court, Olney, MD 774-3410

FOWLFEST '88

The 1988 Fowlfest took place on 27 August at the home of Fred - K3ZO and Sanporn Laun in Temple Hills, Maryland. This was a gathering of over 75 members and guests of the two largest clubs in this area dedicated to DX and contesting: The National Capitol DX Association and The Potomac Valley Radio Club. The members of both clubs were given a special treat this year through the generosity of Fred Laun who not only provided his home as the meeting site, but also provided all of the food and liquid refreshments at no cost to our members. The broiled chicken, hamburgers and shrimp were expertly cooked over the hot charcoal grills by Glenn - KC3EK and his bride, Judy - KA3IDS.

First time and repeat visitors to 'THE VOICE OF TEMPLE HILLS,' K3ZO, were awed, amazed and greatly impressed upon seeing, touching and feeling one of the world's top DX stations. Fred conducted personal and group tours which made it very clear why K3ZO is always numero uno in the pile-ups. A great revelation!!! Among those present was Tom Warren-K3TW. Tom recently returned from an assignment in VU land where he was VU2TJW. For those present, Tom played the "pile-up" tape recorded at his shack in New Delhi. It was great to hear so many of our local DXers on top of the pile-up at Tom's VU QTH. This month, Tom moves to Tanzania, where he will operate with a 5H call.

During the afternoon, approximately 30 members of NCDXA held a meeting at which ARRL DXCC manager, Don-W3AZD gave a report on recent DXCC activities. During the gathering, Don kindly checked many of the NCDXA and PVRC members DXCC submissions. John - N4MM also gave an ARRL report on recent Board actions.

A GREAT GATHERING OF THE CLAN.

Ken - K6IR

DX DX DX DX DX

"Tune In"
147.420 (Simplex)

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An open frequency for use in
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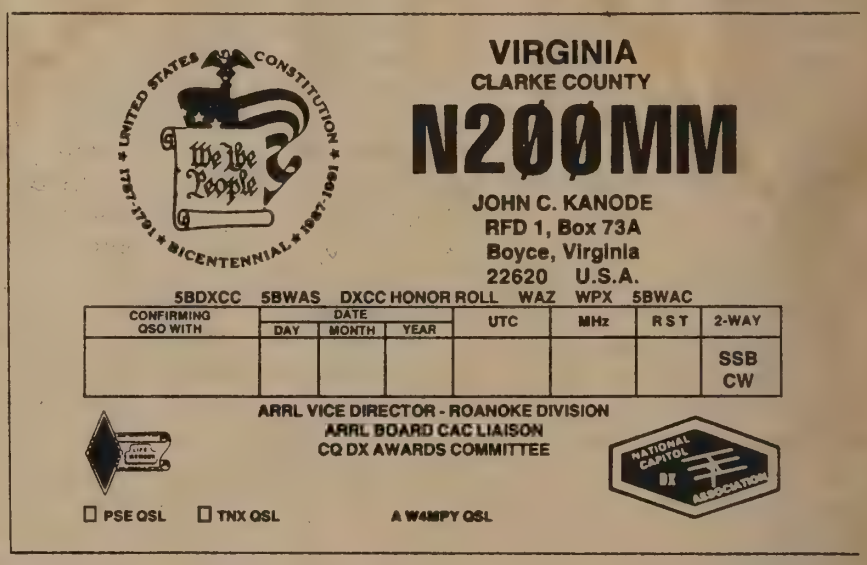
K3BEQ

National Capital DX Association

Information: Craig Stevens - KZ3H, 4409 Clifton Spring Court, Olney, MD 774-3410

Celebrating the Bicentennial of the Constitution of the United States, NCDXA operators John Kanode - N4MM and Jeff Hartley - N8II operated N2ØØMM during the period June 25 through July 1. The station worked WAS, WAC and over 75 countries. Over 500 QSLs have been received and answered All DX QSOs have been QSLed via the Bureau. Following is a list of the activities:

Band	QSOs
75 Phone	86
40 CW	4
40 SSB	192
20 CW	11
20 SSB	881
15 CW	4
15 SSB	481
10 SSB	382
6 SSB	137
2 SSB/FM	9
TOTAL	2,187



T-MARC

T-MARC is sponsoring a meeting open to all Radio Amateurs to be held Sunday, October 16 at 12:00 p.m. The meeting will be held at the Savage Community Hall in Savage, Maryland.

The purpose of this meeting is to bring together and discuss various viewpoints as to what we, "The Amateur community," as a whole, would like to do regarding utilization of the remaining portion of 220 MHz, and to discuss frequency use and planning of the 440 MHz band. We hope to hear from all of you concerning these topics, especially those who have other interests besides FM repeaters. Your thoughts and suggestions will be very helpful to T-MARC to develope new coordination policies and to make recommendations to the ARRL regarding a new band plan. Your attendance and input will be appreciated and vital.

Savage is located just North of Laurel, off Rt. 1. From the South, take Rt 1 North and just past Laurel before the exit to Rt. 32, turn left onto Baltimore Street. Travel approximately 1 mile and the hall is on the left across from the WAWA Market.

Please mark on your calendars the T-Marc Annual Meeting which is scheduled for November 6 at the same location.

Larry D'Anna, President T-MARC

Chaverim of Greater Washington

Meetings: As announced on the net.
Weekly Net: Thursdays evenings at 8:00 p.m. on the NIH Club repeater. 145.29 MHz or the RCARA repeater, 145.25 if the primary is down. 447.925 (crosslink). All hams are invited to participate.

At the last club meeting on Sunday, September 4th, John Shew, N4QQ, gave an outstanding talk and slide presentation on bulletin board systems and packet radio. The club is considering a packet station for the shack.

Yours truly just returned from W6-land where I attended the ARRL Southwest Division Ham Convention in Disneyland.**

(** Editor's note: Jon is being entirely too modest. He really went to the convention to receive the **Westlink Report Young Ham of the Year Award.** See the rest of the story on page 35).

Many seminars were held and the Convention Center was filled with many exhibitors and dealers. Two meters is virtually dead in Southern California. Most VHF activity is on 220.

Chaverim now has a complete set of The Gordon West Radio School Code and Theory courses from Novice through Extra available to any member. Please contact me if you are interested.

Hope everyone enjoyed the Gaithersburg Hamfest. Best wishes for a happy and healthy New Year. 73 and Shalom.

Jon - NK3D

ROANOKE DIVISION ELECTION FOR DIRECTOR

Ballots for the election of a new Roanoke Division Director should be in the mail around the first of October. Watch for your ballot and be sure to cast your vote. Two prominent hams are vying for the position: Present Vice Director, John Kanode - N4MM (from Boyce, Virginia) and recent Virginia Section Manager Claude Feigley, W3ATQ (from the Williamsburg area.)

Kanode has been an active Amateur for over 36 years and has held an Extra class license since 1958. He has served as Vice Director for the past 7 years. John is particularly well known in DX circles and served on the DX Advisory Committee from 1976-1980. He was also ARRL Board liaison to the DXAC from 1981-1987. He has attended over 200 hamfests and conventions representing ARRL. He also managed the ARRL QSL Bureau for W4/K4/N4 calls from 1974 - 1979.

Feigley has been active as an Amateur for the past 50 years and holds Extra class license. He has been very much involved in ARRL affairs since 1939 and has held a number of appointments. He has just completed two terms as Virginia Section Manager. He has been particularly active in the Amateur Radio Emergency Service (ARES), coordinating Amateur communications into the emergency plans of local, county and state emergency agencies.

Director Gay Milius is retiring after 8 years in the office of Director and many years of dedicated service to the Division and to ARRL. Appreciation of Gay's service was expressed with the awarding of a plaque at the Roanoke Division Convention Oct. 17.

Southern Maryland Amateur Radio Club

Meetings: 2nd Friday of each month, 7:30 p.m.
Church of the Nativity, Manchester Drive, Camp Springs, Maryland.
(Right at first light on Route 5 South of Beltway and immediately left into mid-block driveway).
Repeater: W3PT/R 147.15/147.75
Nets: Informal - Tuesdays, 8:00 p.m., W3PT/R
Informal - Thursdays, 8:00 p.m., 28.447
Information: P.O. Box 273, Cheltenham, MD 20623

The Tuesday and Thursday night nets have been doing very well with fairly large check-ins, however, there is always room for more. Both George - KA3KIF and Jim -N3AST encourage more check-ins, so come on and join the fun in these friendly and cordial get-togethers.

Ceia - K5QZL had a medical problem recently that confined her to the Andrews AFB hospital. She has been released and is now at home recuperating. We all send our best wishes for a speedy recovery, Ceia.

We had three upgrades recently when Danny - KA3KIQ and Bill - N3FHV made the advanced class and Walt - WB3CDX upgraded to Technician. Congratulations to all.

Plans are underway for the club's fall Novice training class. If you know of someone interested in taking this training, they can call Bob - KA3GCC at 627-3040 to reserve a space in the class. We hope to place posters advertising the class around our area, as well as entering the information in Auto-Call's training classes section. More definitive information will be provided when plans become more firm.

Last month's training class was changed from the originally scheduled class on antennas to an overview course on packet radio conducted by Tom -WA3TAI. The program was well attended and received, and because of the amount of interest in packet radio, Tom is now developing an in-depth course. The new course will probably require several class sessions to present, so stay tuned.

As plans become firm we will pass on the times, place, starting date, etc.

Everything appears in a state of go for our Annual Picnic at the QTH of Burnie - KA3DNW. Burnie has been working to get everything ready. In fact, I ran into him as he was purchasing painting materials to redo the picnic tables. Saturday, September 17th is the day and we look forward to seeing everyone.

A welcome is extended to several recent members of the club: Alonzo Hill-KA3OEA, Larry Johnson - KA3SXW, David J. Hanbury - N3GCV and Larry Laffon. Be sure to come out to meetings and all other events of the club to meet the other members and to join in the fun.

Bill - N3FHV

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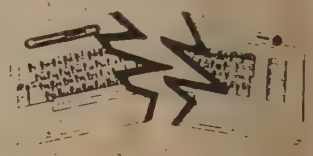

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Metrovision Amateur TV Club

FAST SCAN - COLOR - ATV

Meetings:	Quarterly: Call for next meeting time and place.
Repeater:	WA9GVK/4 (Video and Audio) 439.25 MHz in; 426.25 MHz out Also accessible on 144.970, simplex, audio.
On-the-air:	Sundays at 8:00 p.m.
Mailing:	Metrovision, Inc., P.O. Box 8231, Falls Church, VA 22041
Information:	Warren - N4MWU (703) 573-9619 Dick - WB3EPX (301) 439-8135

All of the members of Metrovision would like to take the opportunity to thank those Packet radio digipeaters concerned, for moving their transmit frequencies so as not to interfere with our ATV transmissions. I am sure that this kind of cooperation is greatly appreciated throughout the Amateur Radio community.

After having recently experienced some very heavy down-pours, now would be a good time to check ATV antennas and transmission lines for high VSWR. It is not necessary, or advisable, to leave the VSWR bridge in line, but it is a good idea to have one available to do periodic checks. Leaving the bridge in the line could cause a loss in signal strength, especially in the 440 MHz range.

There is a rumor going around that Henry Ruh, the former editor of A-5 (now Spec-Com) Magazine, is going to publish a new magazine called ATV Quarterly. We hope there will be no conflict between the two, as most of us do look to Spec-Com for most of our technical information on ATV and SSTV.

In looking through some of my Sunday Night VCR ATV net tapes, I have come across a section with Tommy Noeman-KA3MKC in his last role as net control. Also, on this same tape, was found the last ATV net transmission of Dudley Watts - N4KEU. As you know, Tommy and Dudley both passed away within the past year. Our intention is to transfer these last transmissions to a separate tape and make them available to anyone who wishes to have them.

By the time this article appears in Auto-Call, our 15th anniversary party and September meeting will be history. In the November issue, we will discuss what happened during the celebration.

See you on ATV.

Dick - WB3EPX

VK SPECIAL PARKING

Radio Amateurs are being given special parking privileges in Australia, according to an article in "Amateur Radio" (the Australian QST).

A resolution which passed the Local Government Organization of Australia, and is binding on all municipal councils, states, "The preparedness of Radio Amateurs to provide emergency communications during times of natural disaster is highly commendable, and without their help local municipal disaster plans could be inadequate." The resolution goes on to provide that Special Parking signs will be erected all over Australia reading:

"No Parking Anytime. Radio Amateurs Excepted."

The Amateur parking his vehicle there must display the call sign on the dashboard of the vehicle. Parking tickets will be issued for those not obeying the rules.

Woodbridge Wireless, Inc.

Meetings: 3rd Tuesday of each month, at 7:30 p.m.
Springwood Community Center, Corner of Springwood Drive and Chauncher Court, just West of Woodbridge Airport.
Repeater: WB4FQR/R 147.84/24 and 449.9/444.9]
Nets: Mondays, 8:00 p.m. local (0100 UTC) 147.84/24
Wednesdays, Slow CW at 8:00 p.m., 21.164 MHz
Saturdays at 9:00 p.m. - in new 10 Meter Novice band 28.460 MHz SSB
Mailing Address: P.O. Box 112, Woodbridge, VA 22194

There must be something about the job as president of Woodbridge Wireless, Inc. (WWI). Our 1987 president left this area to move to a lake in Missouri to run a boat dealership. Now our current president, Stu Mitchell Jr. (we call him Stu II) has accepted a new job with the Fish and Wildlife Service in Ashland, Oregon. If this pattern holds a couple of presidencies from now, an ex-WWI prexy will move out to a job counting water-skiers on Lake Tahoe! Seriously folks, although Stu says he won't miss the commute up the I-95/US 1 corridor, he and Terri will miss all their friends. Let Stu tell it:

"Ever since attending K3ULQ's Novice class back in '76, I've really enjoy being a part of Woodbridge Wireless. There are moments that will live in stories for years to come! I remember Ed Redington with his spark gap transmitter ("Snap, Crackle, Pop"), the Rabbit Hunts (wasn't John, K4EBS, cute?) (ED Note: John is known for his imaginative disguises while hiding out as the "rabbit") and the Field Days (rain and winning). But what I'll remember most of all, is the friends I've made through Woodbridge Wireless. My 12 years with WWI has been one of the best experiences of my life.

This last year has been especially enlightening! So thank you, once again, for the support and confidence you have bestowed upon me and remember our goal, have fun! Best of 73 and CU Later! -- STU II. AR

S'long Stu II, we'll miss ya! How about a sched? Stu's dad, Stu Sr., is a charter member of WWI.

Members are getting used to the new controller. It has a digital delay line built in which gives it slightly different receive characteristics from the old controller. The received signal must break a certain threshold before the controller will "turn on". It will hold through a certain decay in signal level. The result is that some formerly marginal handheld signals will not get through now. This system does help filter out the folks in Baltimore trying to work that machine. The receiver is as sensitive as ever, it just requires a stronger signal to trigger the controller.

As mentioned in last month's article, Denis Catalano, WD4KXB, has been appointed as HF Awards Manager for the WWI in its capacity as an ARRL special service club. Denis can now confirm contacts for WAS instead of having to send cards to ARRL HQ. Give Denis a call to arrange confirmation at (703) 680-4998.

Special WWI thanks are sent to Mr. Arlan vanDoorn, Deputy Chief, Field Operations Bureau of the FCC. Mr. vanDoorn spoke at the August meeting on the mission of his bureau and about interference and illegal equipment/practices. To sum up his approach to interference, the hams need to do everything they can to settle matters. Once the FCC is brought in, no-one may like the way they settle it.

Elections for club officers are just around the bend. All club members need to participate in that process.

73 de WJ4M

Shenandoah Valley Amateur Radio Club

Meetings: 1st and 3rd Fridays of each month. 7:30 p.m.
SVARC Club House, 2991 Grace St., Winchester, VA
Club Repeater: 146.22/.82
Shenandoah Valley Emergency Net: 7:15 nightly on the repeater.
Information: Cliff Kitts, KD4TZ, President SVARC, 124 Allison Ave., Winchester, VA 22601 (703) 667-9458

Another SVARC Hamfest has come and gone, and a wonderful time was had by all. Attendance was up to about 2500 including tailgaters and exhibitors. Although other hamfests being held in Pennsylvania on the same day had caused some jitters, the figures revealed that they had no impact here. The proceeds from the hamfest were as good as ever, and this will enable us to continue presenting our scholarships and carrying on our other club activities.

The weather also cooperated with a beautiful Sunday. Many thanks go to the 35 club members who worked so hard to put on a good Hamfest, and to the thousands that came to enjoy themselves in Berryville. One lucky fellow went home with a brand new ICOM 735. The ladies enjoyed Bingo, and the barbecue dinner was a big hit once again. There's nothing like a Berryville Hamfest.

The SVARC also celebrated its 40th anniversary. A special reception was held on August 27 to honor the remaining charter members. These wonderful guys have been making the SVARC a success now for 40 years, through both the good times and the bad. These are the fine fellows who got Amateur Radio in the Winchester area through the lean years of the 1950s and began the tradition of the Berryville SVARC Hamfest which became such a success.

And so we honor George - W4UGX, Mike - W4ACC, Warren - W4OHM, Kenny-W4TCK, Neill - W4LOG and the others who founded the SVARC in 1948.

By the way, the results are now available for the SVARC Field Day exercise. The final score was up 64% over last year's score. There were nearly 1300 QSOs, involving all 50 states and most of the Canadian provinces. Again, our thanks go out to the many club members who made it possible.

Well, that's about it for this time. Until we meet again, 73 and good hamming!

Paul - NI3T

YOU'RE NEVER TOO OLD

Murl Fox, KB6YPF has just realized one of his dreams, and that was to become an Amateur Radio operator. Murl celebrated his 97th birthday on March 8!

About a year ago his grandson, KI6QB, introduced Murl and his wife, Yvonne, to Amateur Radio and took them to a radio club meeting. In June Murle got his Technician Class call. Yvonne has also received her Technician call now and is studying for her General or higher. She isn't telling her age, but it probably isn't too far behind Murl!

So let's not hear any more comments about "I'm too old to study for a license." Murl and Yvonne are convinced you are only as old as you feel. And they're feeling mighty young these days when they talks to their friends on the air.

Washington Area YL Amateur Radio Club

Meetings: Washington Area Young Ladies Radio Club Meets "at least 4 times per year," usually at QTH of Liz Zandonini - W3CDQ
Information: Phone W3CDQ at 363-7400 or Irene - W3RXJ at 423-7138

Liz Zandonini - W3CDQ, who has been an Amateur Radio operator since 1922, is getting quite a bit of attention these days. She was interviewed by David French - N4KET, an Anchorman for the Cable News Network, at her station which showed her operating CW in addition to giving information about her life as a ham radio operator. The program was seen all over the country - Liz has been getting calls and notes from friends who have seen the interview on their television stations. One of my OM's friends who was visiting in Utah saw the interview on a local station in Salt Lake City. Gerry Thomas -WB3KKL, a member of WAYLARC, became a silent key on August 12. Gerry was active in the club and helped us at the FAR Hamfests until health problems prevented as much activity as before. She was also associated with many other clubs in the Washington Area. I attended the funeral service for Gerry, as did other Amateur Radio operators, including WAYLARC members Ruth Phillips - K3AGR and Barbara Washington-N3EDM. All of us will miss Gerry.

Just as we went to press, we received word that Maxine Harris - WA4UWK became a Silent Key on Labor Day, September 5.

Maxine had been an active member of WAYLARC for over 20 years and has been the club Treasurer for many years. She was also very active with the North Carolina Single Sideband Net. All of us will miss her very much and we extend condolences to Maxine's family.

Irene - W3RXJ

Anne Arundel Radio Club

Meetings: 1st and 3rd Thursdays at 8:00 p.m.
Davidsonville Family Recreation Center, near Annapolis.
On-the-air: Thursdays, 2030 Local on 147.705/105 when no club meeting.
Information: Margaret (Holly) Bevan (301) 923-0229

AARC members provided communications on Sunday morning, August 28th for the annual Annapolis 10-mile run. They were stationed with race officials at the mile markers and with the medical team. Coordinator Tony - WA3YLO reported that everything worked smoothly, thanks to Dick - N3FKV, John - KA3RSN, Ron-N3FDI, Debbie - KA3TDD, Doug - N2IBM, Jim - KA3PRC and John - KC3YS.

At the September 1st club meeting, Connie Darlack - KA3TDB (a graduate of this year's Novice Class) became the 250th member of AARC for this club year. Two additional joiners brought the total to 252.

The club membership breaks down as follows: 23 Novices, 63 Technicians, 66 Generals, 53 Advanced, 41 Extras and 6 members without tickets.

AARC has received an acknowledgement and thanks for a $250 donation to the W1AW Renovation Fund.

Preparations are under way for the club's annual participation in Chesapeake Appreciation Days the end of October.

Bonnie Sargent, formerly KA3TDJ, is now N3GMF. Bob Long now answers to KD3JK instead of N3FUW.

Holly - N3BMB

Metropolitan Communications Network Radio Club

Meetings:	Quarterly, on the second Sunday of the month. W.A.T.A.'s Community Meeting Room, 4729 14th Street N.W. (at Decatur Street), Washington, DC - unless otherwise announced.
Repeater:	N3AGB/R, 52.250 MHz in; 53.250 MHz out. Accessible on 144.950 MHz in the simplex mode.
On-the-air:	Saturdays at 1900 hours.
Mailing:	c/o Bob Sporn - WA3GGO, 9927 Cottrell Tr, Silver Spring, MD 20903-
Information:	Bob Sporn - WA3GGO (301) 434-1719

The August 16th rainstorm visited our members. Charley Dohne - W3KZH had a tree limb fall on his HF antenna. The leg of yours truly's G5RV antenna was downed, when the limb of the apple tree it was attached to came down, one day after my QSO with Rudy Williams-W3UBZ on the 40 meter band.

Rudy has finally got me working the Yaesu I had won. Our son-in-law had the antenna up and working a few days later. Dick Logan - WB3EPX still is Net Control of the Sideband Net, plus his activities on the Metrovision ATV club. plus he and Jan welcoming back Jim and Sally Logan from their honeymoon on the West Coast, having their son, Christopher, go off to medical school, and attending the wedding of their daughter, Beth, in September.

THE SUNDAY MORNING COFFEE NET (6 METER AM) ON 50.4 MHZ AT 0900. In spite of the summer vacation period, our net has had almost as many check-ins as we do during the winter. If Joe Saunders, Jr., K3UAL wasn't on the net it was because he was Maritime Mobile on ten meters with his TS 680-S, using 100 watts on a CB whip antenna on his boat sailing from Annapolis to Portsmouth to Norfolk, VA, returning to Chrisfield to Tangier Island and over to the Solomons.

MARYLAND FREE STATE SIX METER SIDEBAND NET: SUNDAYS AT 1900 HOURS ON 50.125 MHZ. The check-ins have been running fairly well, with new check-ins joining us from time to time. Do join us on any or all of the nets listed above.

Bob - WA3GGO

EARLY START
of Harold Beverage

At age 13 Harold Beverage disappeared from his island home in North Haven, ME to take an unannounced trip to the mainland to search out the truth about what kind of equipment made it possible to communicate with ships at sea. (It is usually reported that he "ran away from home.") He had the good luck to meet a wireless operator who took him aboard a docked freighter and demonstrated its wireless before his eyes. Beverage was "hooked!"

Thanks to that kindly operator, Beverage went on to contribute much to the art and science of radio. Best known in the Amateur community was his "Beverage Antenna," which became prominent in early transatlantic wireless telegraphy and telephony and in Amateur operation. His antenna is used to this date in the far North, when the only reliable transmissions are long-wave, and in underground and underwater ELF communications. He also established the first wireless station in South America. A book has been written entitled, "Genius at Riverhead" by Alberta I. Wallen. It gives biographical details of the life of one of our respected pioneers.tunity.

(Information from QTC Newsletter of the SOWP)

Vienna Wireless Society

THE HOME OF WINTERFEST™

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Meetings: 2nd and 4th Fridays of each month, 7:30 p.m.
Vienna Community Center, 120 Cherry Street, Vienna, VA
Repeater: K4HTA/R
Nets: Every Thursday at 7:30 p.m. on 146.085 in and 146.685 out.
Alternate simplex frequency is 147.51
10 Meter, 28.400 MHz 9:00 p.m. every night of the week except meeting nights.
Information: Bill Mills, KC5PF/4 (703) 937-4090 (Home), (703) 359-0141 (Work)
Training Classes: Paul Wilkins, AB4CY (703) 569-2779
Mailing Address: P.O. Box 418, Vienna, VA 22180

1988 SCHOLARSHIP AWARDED

William T. Free, III - KC3YO of Fairfax, Virginia was awarded the Victor C. Clark Scholarship by the Foundation for Amateur Radio (FAR). The $500 award, sponsored by the Vienna Wireless Society, is one of the 30 scholarships given each year by FAR to help college-bound Amateurs obtain college degrees.

KC3YL is a graduate of Chantilly High School and currently attends Rice University in Houston, Texas, where he is majoring in Electrical Engineering. He runs 80-10 Meters CW and SSB and particularly likes DX contests. A member of the Sterling Park ARC, he can also be found on 2-meters when in the local area. His dad is W3FTG.

ANNUAL PICNIC

The VWS Annual Picnic was held at the Moormont Orchard, Orange County, Virginia, on Saturday, 27 August. Society members and their families enjoyed a delightful day in the country. The Moormont Orchard is located approximately 65 miles south of Washington on a mountain range with an elevation of over 1,100 feet. Club members were able to access several of the Washington area 2-meter repeater with ease from the orchard.

Bill - KC5PF/4

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NATIONAL CAPITAL AREA EMERGENCY AND TRAFFIC NETS

Daily:
1300 Virginia Traffic Net: 7.26 SSB
1800 Maryland Emergency Phone Net: 3.920 SSB
1800 Virginia Sideband Net: 3.947 SSB
1830 Virginia Slow Net: 3.68 CW
1900 Virginia Net (early): 3.68 CW
1900 MD-DC Net: 3.643 CW
1915 Shenandoah Valley Emergency Net: 146.22/.82 FM
2100 Vienna Wireless Society Pow-Wow Net: 28.4 SSB
1930 MD Slow Net: 3.717 CW
2200 MD-DC Net: 3.643 CW
2200 Virginia Net (late): 3.68 CW
2215 Virginia Late Net: 3.947 SSB

Weekends & Holidays:
4/1-11/15 1100/1500: Chesapeake Bay Weather & Traffic Net: 147.705/.105 FM

Sundays:
0900 Sunday Morning Coffee Net: 50.4 AM
1900 Maryland 6 Meter Free State SSB Net: 50.125
1900 Washington Co. 2-Meter Net: 146.94/.34 FM
2100 Md-DC-NVa Regional EC Net: 146.91/.31 FM

Mondays:
2000 Woodbridge Wireless Net: 147.84/.24 FM
2030 Maryland Mobileers Net: 146.805/205

Tuesdays:
1930 Arlington ARES Net: 146.58 FM
2000 Mt. Vernon ARES Net: 146.055/.655
2000 Montgomery Co. RACES/ARES Net: 146.46 FM

Wednesdays:
2145 (3rd Wed. of each month) Virginia Section ARES Appointees Net: 3947 KHz LSB

Thursdays:
1900 Four State Net: 147.09/.69 FM
1930 Vienna Wireless Society Emergency Net: 146.085/.685 FM
1930 Carroll Co. Novice Net: 28.450 SSB
2000 Alexandria Radio Club Net: 147.915/.315 FM
2000 Ole Virginia Hams Net: 146.37/.97 FM
2100 Prince Georges Amateur Radio Emergency Service Net: 147.75/.15 FM
2100 Vienna Wireless Society Traffic Net: 28.010 CW

Saturdays:
1900 MCNRC Net: 52.25/53.25 and 144.95 FM

Emergency only-as required:
Vienna Emergency Net A (VEN/A): 3910 KHz (7260 alternate) SSB
VEN/B: 3947 KHz (7240 alternate) SSB
VEN/E: 3680 KHz (7050 alternate) CW

Note: All times are local (EST/EDT) unless otherwise specified.

NATIONAL CAPITAL AREA AMATEUR RADIO EMERGENCY SERVICE:

Va. Section EC: Earl Bishop, N4EXQ, (804)270-7564

National Capitol District EC: Harry Jones, N4CWP
(703)521-4624
Military District of Washington EC: Frank Hartnett, KA8PUU (703)642-5516
Fairfax Co. EC: Joe Peters, WB4WZZ (703)241-0078
Vienna Asst. EC & editor of Public Service Report: Jeff Wilkes, W4NFA
9809 Meadow Dale Ct.
Vienna, Va. 22180
(703)281-4249
Mt. Vernon Asst. EC: Steve Schneider, WB4EEA (703)683-6570
Alexandria EC: Chuck Rexroad, N4HCP (703)971-0348
Arlington Co. EC: Craig Church, N4EFJ (703)979-8325
Prince William Co. EC: Harry Vorhauer, W4PVA (703)368-6050
Loudoun Co. EC: Bill Roemer, K3CUU (703)395-4905
Virginia District #1 DEC: Walt Quitter, NC4B (703)869-5241
Frederick Co. EC: Steve Czaikowski, WB4ZTR (703)869-3674
Warren Co. EC: Tom Strickler, K4JNA (703)635-3035

.....

Maryland-DC SEC: Al Taylor, KN3U (301)251-9464
Maryland-DC ASEC: Ross Merlin, WA2WDT (301)983-2842
Md. State RACES Officer: Al Nollmeyer, W3YVQ (301)252-9073
Dist. of Columbia EC: Ken Williams, N3AQG (202)363-4234
Allegany County EC: Gay Rembold, W3DFW (301)724-0674
Anne Arundel Co. EC: VACANT
Baltimore City/Co. EC: Cam Whetstone, WA3YOH (301)486-2609
Calvert Co. EC: Woody Schwartz, W3ZNW (301)535-1281
Caroline Co. EC: VACANT
Carroll Co. EC: John Culleton, KO3Z (301)795-1159
Cecil Co. EC: Bill Doss, N3AJJ (301)287-5897
Charles Co. EC: VACANT
Dorchester Co. EC: VACANT
Frederick Co. EC: Rick Ogden, N3RO (301)845-2670
Garrett Co. EC: VACANT
Harford Co. EC: VACANT
Howard Co. EC: Mike Carr, WA1QAA (301)799-0403
Kent Co. EC: Jim Bortner, WA3UJE (301)778-0589
Montgomery Co. EC: Hank Black, N3ESR (301)340-8595
N. Prince Georges Co. EC: Gary WB3JRW
S. Prince Georges Co. EC: George Dewees, KA3KIF (301)292-1241
Queen Anne Co. EC: Walter Brink, W3WPY (301)643-2933
Somerset Co. EC: VACANT
St. Mary's Co. EC: VACANT
Talbot Co. EC: VACANT
Washington Co. EC: Charlie Anderson NF3X (301)733-3061
Wicomico Co. EC: VACANT
Worcester Co. EC: Bud Kilgore KX3J (301)641-4291

SHACK SALES

Noncommercial advertising of Amateur associated equipment is available to subscribers of AUTO-CALL at a rate of 3¢ per word -- with a $1 minimum. Commercial vendors and nonsubscribers rate is 17¢ per word -- with a $5.50 (1 inch) minimum. Special headings or special spacing (e.g., one item per line) may be used but such ads will be charged at the column inch rate.

Estate sales for Widow's Assistance handled by a FAR club will be published without cost.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone and all ads must be pre-paid. Since no effort is made to investigate advertisers, no warranty can be implied.

Copy must be received by the 8th of the month preceding publication.

ESTATE SALE

Estate of Mac Parker, W4II

* Heath SB-104 - $125.
* Heath SB-604, Pwr/Spkr - $35.
* EV Mike, desk type - $20. Make offer for complete set.
* Heathkit Lab Signal Generator, Model 10-42 - Make offer.
* Heathkit Audio Generator, Model AG-9A - Offer.
* Sprague Qwick-Test Capacitor Tester KT-1 - Offer.
* Palomar Engineering R-X Noise Bridge - Make Offer. Collectors of old receivers beware!
* Hammarlund General Coverage Rcvr, 1.5 to 30 mHz, Model HQ-100. Any reasonable offer?
* Hallicrafter Model S-40, General coverage w/band spread, 1.5 to 30 mHz. Make offer.

Call Bill, W4LRD (703) 536-5994, Arlington, VA (09)

FOR SALE: 2M Microcomputer FM Transceiver "AZDEN" PCS-3000, 12v DC, remote control head & cable, microphone has remote operation features. Used for C.A.P. frequencies only. Antenna, external speaker, manual & schematic & more. Bench Adj. - $100. Call Charles at (301) 795-2644, Sykesville, MD (10)

FOR SALE: DRAKE TR4C Transceiver with power supply - $200. Heathkit Laboratory 5" Oscilloscope, Model 10-12 - $50. Instructograph Code Instructor with tapes. All of the above have manuals. Super RM 75S mobile antenna - $20. Super RM 40S mobile antenna - $15. Call Bill-W4LCT, Frederick, MD (301) 662-2749.

WANTED: Ham equipment and other property for the Radio Club of Junior High School 22, NYC, Inc. This is a non-profit organization, granted 501(C)(3) status by the IRS, incorporated with the goal of using the theme of ham radio to further and enhance the education of young people. Your property donation or financial support would be greatly appreciated and ancknowledged with a receipt for your tax deductible contribution. We sponsor the classroom net on 7.238 MHz at 1100 UTC daily and encourage your QSL for our weekly award. Please write us at: P.O.B. 1052, New York, NY 10002, or, call our 'round the clock hotline: (516) 674-4072. Thanks! Joseph Fairclough, Pres. RC of JHS 22 NYC, Inc. WB2JKJ (Paid C10)

(Editor's note: See the August issue of Auto-Call, page 30)

FOR SALE: 40' manual crank-up Triex tower, disassembled, repainted and ready for pick up. Also Mosley TA-33 3-element beam; C.D.R. Rotor; Coax; guy wires - Make offer. Phone Ron at (703) 430-0623 Sterling, VA

WANTED: Alpha 77 Amplifier, mint condition, no modifications, good tubes. K3RR (717) 334-2880, Gettysburg, PA. (12)

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Rebuilt Rotors, Parts & Service
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Rockville, MD 20850
(301) 340-0520
(C12)

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FOR SALE: Hy-Gain Ant. Model 238, 18 AVQ, ten thru eighty meters, Vertical trapped antenna with 12 radials. Included installation and operation instructions - $75 and remove. Call Joe - WB3HCU (301) 870-2029 Waldorf, MD (10)

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(215) 271-8898
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USED GEAR

WANTED: Tower 50' to 80' with or without tribander/rotator. Will pick up within 150 --CANCEL-- Phone (703)
WE GOT HIM TOGETHER WITH AD BELOW

FOR SALE: 60' manual crank-up tower by E-Z WAY. Three section tilt-over (Model RBX-60).--SOLD-- Base repaint-
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ed, ready for pick-up. K4OCI

Need Antenna or tower work done? Call L. Chertok - W3GRF. (301) 297-4888. (C12)

FOR SALE: Bound QST 1954-1986. Also about 20 years bound HR, 73, CQ. BO/swap for ? PUO - W3MEO (301) 757-1991 (10)

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QSL Cards

1520 Jutewood Ave.
Hyattsville, MD 20785
Call Joe (301) 773-9393 or
(301) 775-5074.

WORLDRADIO, Amateur Radio's monthly newspaper can be delivered to your doorstep for only $12 per year ($22 overseas). Get the latest on how your fellow amateurs use their hobby to help others. Regular features are Aerials, Bob's Corner, Contest & Hamfest announcements, Digital Bus, DX World, MARS, Mobile, FCC Highlights, New Products, Propagation, QCWA, QRP, Six Shots!, Station Appearance, Traffic, VE Exams, 10-10 International News. Send your subscription to WORLDRADIO, 1779 Tribute Road, Ste. L, Sacramento, CA 95815.

FOR SALE: YASEU FT-757GX - $550, PS-20 A/C - $75. Roger - N3RC Phone: Office (202) 566-5847 Home: (703) 660-6607. (10)

FOR SALE: Complete Ham Station: Heath SB-303, SB-401, speaker, mike, HD-10 electronic keyer. Need space. Best offer over $250. Call Frank-WA3WAN (301) 643-3249. Stevensville, Maryland. (10)

FOR SALE: YASEU FT-757GX - $550. PS-20 A/C - $75. Roger - N3RC. Office (202) 566-5847, (H) (703) 660-6607 Alexandria, VA (10)

VACUUM TUBES: 70,000 in stock. Reasonable prices. Quick turnaround. VACUUM TUBE STORAGE BOXES: White. Four sizes. For lists send business SASE to TYGER ELECTRONICS, Box 750, Clinton, Maryland 20735. Phone Bob at (301) 248-7302. (C12)

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Lowest Priced IBM compatible systems made to order
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Mark E. Wheatley, KT3C

402 Boyd Avenue
Takoma Park, Maryland 20912 (301) 270-5485

FOR SALE: Near mint Collins 51J4 General coverage receiver. Has 3 mechanical filters, top cover, manual - $400. Phone Howard (703) 644-7307, Langsford, Ct., Springfield, VA 22153

FOR SALE: TEN TEC Delta Xceiver, power supply, mike, manual. Used as a spare - $450. New POWER SUPPLY PARTS for Heath SB-220 Linear - $40. Keyboard MICROLOG AKB-1, cw only, manual - $100. SLOW SCAN TV: Robot Model 80 camera, Model 70 monitor, Camera tripod, Menu boards, Manual $400. Broadband POWER/SWR Meter, WERLOTONE Mode C 1277 wattmeter. Made in USA. 27 to 500 MHz, 50 watts SSB - $50. HAMMOND ELECTRONIC ORGAN, Model J100, bench - $950. HEATH HM-11 reflected PWR/SWR meter - $20. RAYTHEON factory service manual for SBE 34 - $20. PHONE PATCH, HEATH HD15, new in box - $40. CAMERAS: KODAK Telektralite 600, in box, POLAROID BW Big Swinger 3000, HAWKEYE R4 Instramatic, in carrying case, Leather camera bag with some filters - $45. ATV Tuner Science Workshop AT VC-10 - $35. RCA Senior Voltomyst WV 97A, with leads, manual - $25. ROTORS: CDE TR44, manual - $75. CD 44, manual - $125. Larry - W3MSN (301) 894-3977, Oxon Hill, MD. (10)

WANTED: McElroy bugs, hand keys and Vibroplex zephyr bug or any old or unusual bug. Help appreciated in locating such. "Smiley" White-WB4EDB, POB 5150 Fredericksburg, VA 22405 Phone (703) 373-0996 (12)

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Also do embroidered patches.
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5018 Sangamore Road
Bethesda, Maryland 20816
(301) 320-6384 Eve. & weekends.
(C10)

FOR SALE: Mint ALPHA 78 Linear Amplifier - $2250. Phone Eric, (703) 382-2597, Rt #1 Pilot, VA 24138 (10)

FOR SALE: YAESU FT-625 RD (6 Meter All Mode) Transceiver - $425. KDK-6033 (6 Meter FM) Transceiver - $235. YAESU FT-720 RU (430 MHz) module for the FT-720R Series. Bob - KI4MB (703) 533-0650.

FOR SALE: YAESU FT-73R/TT 400 MHz Handheld Radio with touch tone pad. Clean, with box and manual - $225. Accessories available. Call Mike-WB4UKB (703) 481-9614, Herndon, VA

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Serio & Company, Chartered
Certified Public Accountants
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JOHN T. NUTTMANN, CPA (301) 652-5040

WANTED: Control Head for the FT-720R Series (FM) of radio from Yaesu. Will buy complete radio if price is right. Bob - KI4MB (703) 533-0650

FOR SALE: Uniden Bearcat BC 210XL VHF/UHF Scanner. Mint, with box and manual - $125. Call Mike - WB4UKB (703)481-9614, Herndon, VA

FOR SALE: ICOM 735 with PS, CW Filter. Mint / Warranty - $899. ICOM 215 2-Meter. Mint - $99. HUSTLER Vertical w/resonators - $79. Call Steve - KA3LES (703) 847-9821, Falls Church, VA. (10)

FOR SALE: YAESU FT-23/33/73 Accessories. FTS-12 Private Line Deck- $35. FNB-12 12 Volt 500 mAH and FNB-11 12 volt 600 mAH battery packs with chargers - $30 each. PA-6 Mobile Power Adapter - $20. CSC-23 Case (short) - $8. Belt clip -$4. All in mint condition with boxes & manuals. Call Mike - WB4UKB (703) 481-9614, Herndon, VA (10)

WANTED: Manuals (copies ok) for Hewlett-Packard 410 B VTVM and 650A signal generator, and General Radio 1301A audio oscillator. Gordon Symonds, 26 Ossington Ave., Ottawa, Ontario, Canada K1S 3B4 (613) 232-2198. (MAARC)

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1409 Cooper Dr. • Irving, TX 75061

WANTED: YAESU FT-680R (6 meter all mode) Transceiver. Bob - KI4MB (703) 533-0650 (10)

WANTED: Schematics, repair manuals and, if possible, copies of operating manuals for HALLICRAFTER Receiver Model S-40-B - Circa 1950 and a GLOBE SCOUT Transmitter Model 680 Serial # GG 2198 W. Any information would be greatly appreciated. A.G. Virgillio, 1422 Rusch Ct., Santa Rosa, CA 95401

ANTIQUE RADIO BUFFS!

Become a part of one of the country's fastest-growing vintage radio clubs. **The Mid-Atlantic Antique Radio Club** is an active group of radio collectors, restorers and historians. For sample newsletter, write Joe Koester, 249 Spring Gap South, Laurel, Md 20707. (301) 725-4229. (S)

AMATEUR RADIO NEWS SERVICE is an organization of editors and publishers of amateur radio newsletters and members engaged in public relations. Its purpose is to assist editors in any way possible. For information write to Lee Knirko, W9MOL, 833 Park Plaine, Park Ridge, IL 60068 (S)

CHESS ON AMATEUR RADIO

Members of Chess & Amateur Radio International play chess everywhere! You'll find them on CW, SSB, RTTY, Packet, OSCAR, computer BBS, etc. Find out more by writing CARI 508 20th Street, Cloquet, MN 5720 (S)

The HANDI-HAM System is an international organization of able-bodied and disabled hams who help people with physical disabilities expand their world through Amateur Radio. The System matches students with one-to-one helpers, provides instruction material and support, and loans radio equipment.

Call or write the Courage HANDI-HAM System WØZSW at Courage Center, 3915 Golden Valley Road, Golden Valley, Minnesota 55422, phone (612) 588-0811.

ANSWERS TO QUESTIONS WE RECEIVE

Copy for Auto-Call will be accepted in any form - handwritten, typed, compatible computer disk or modem. (We use an IBM AT clone and WordPerfect program, Hayes compatible modem - 300 or 1200 baud.) All hard copy is re-typed to preserve uniformity of style in the magazine.

For your benefit in determining spacing, type 80 (12 pitch) characters per line and 58 lines per page - including the space taken up by headings, photographs, etc. Either black-and-white or color photos can be used as long as the contrast is good. Master copy, which is to be reproduced directly, should be in black ink on white paper. Any copy can be reduced or enlarged as desired.

Columns from Foundation member clubs are eagerly solicited and any items of general Amateur Radio interest are most welcome. The editor does reserve the right to edit or reject any portions of any copy submitted and to make minor changes to make copy fit available space.

SHACK SALES

Shack Sales will NOT be accepted over the telephone. Remittance must accompany each ad. Full address must be provided for our reference but need not be published. Deadline for copy is the 8th of the month preceding the publication date.

Each ad must include the call sign or the full name of the advertiser. If the full address is not included in the ad, we prefer to indicate the city along with the telephone numbers so that readers will know whether a long-distance charge is involved. The entire telephone number - including city - counts as only one word. We do not count postal zip codes. Otherwise, each word, abbreviation, model number, or group of letters/numbers is counted as one word.

See additional information in next column. If you have other questions, phone Ethel - K4LMB at McLean, Virginia (703) 536-8469 - at any reasonable hour.

Auto-Call Advertising

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DISPLAY ADS

DISPLAY ADS are "boxed" and may contain artwork or photographs. They may be placed along with the Shack Sales or displayed in other sections of the magazine. Requests for specific locations will be honored if practical but cannot be guaranteed.

DISPLAY ADS are charged according to size and duration of run. Rates per issue:

Page	Col. inch	1 Year	6 Times	3 Times	1 Time
Full	18	$75.00	$90.00	$100.00	$105.00
1/2	9	55.00	65.00	71.00	75.00
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1/4	4½	33.00	38.00	41.00	43.00
1/6	3	22.00	26.00	28.00	30.00
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						1 VEC Vienna, VA U of Maryland
2	3 Dept of State	4 Antietam PG Wireless	5 BARC MARC	6 Anne Arundel	7 Mobileers Shenandoah	8 DXPO 88 VEC Andrews AFB
9 NCDXA - Noon	10 PVRC	11 APL Frederick	12 MADRAS Goddard. — Lauren (Inf) Pentagon FAR	13 No. Virginia Mt Vernon	14 Alexandria SMARC Vienna	15 Tri County Capital City
16 T-MARC	17 Ole Va Hams SPARC	18 Antietam Arlington BRATS Woodbridge	19 BARC MARC	20 Anne Arundel VEC Towson, MD	21 Rock Creek Shenandoah	22
23 VEC Hagerstown, MD	24	25	26 Laurel MADRAS	27	28 Alexandria Vienna	29 VEC Laurel, MD Cumberland, MD
30 Adventists	31	NOTES: NCDXA every Sunday 8:30 147.420				

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